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1 THE CHANCERY COURT OF JACKSON COUNTY, MISSISSIPPI

2  
3 IN RE MIKE MOORE, ATTORNEY GENERAL ex rel.  
4 STATE OF MISSISSIPPI TOBACCO LITIGATION  
Cause No. 94-1429

5  
6 DEPOSITION OF DR. DAVID OWEN

7 Taken at the Hattiesburg Clinic, 415 South  
8 28th Avenue, Hattiesburg, Mississippi, on  
9 Thursday, November 7, 1996, beginning at  
10 9:00 a.m.

11 APPEARANCES:

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ATTORNEY FOR PLAINTIFF

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21 ALSO PRESENT:

22 MR. GARY W. WILLIAMS

23 REPORTED BY:

24 KAREE H. MULHOLLAND  
25 CERTIFIED SHORTHAND REPORTER #1255  
26  
27  
28  
29

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1 I-N-D-E-X

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14 November 5, 1996	

Property of: Ness, Motley  
Main PI File Room  
Charleston, SC

3

1 DR. DAVID OWEN

2 having been first duly sworn, was examined  
3 and testified as follows:

4 EXAMINATION

5 BY MR. KEMNA:

6 Q. Doctor, we introduced ourselves off the  
7 record, but would you go ahead and give me your  
8 name and office address for the record, please?

9 A. David M. Owen. Office is 415 South 28th  
10 Avenue, Hattiesburg, Mississippi 39402.

11 Q. Doctor, I represent Lorillard in this  
12 matter, and this deposition is scheduled from  
13 nine o'clock in the morning until five in the  
14 afternoon. We'll take a break whenever it is  
15 convenient for you throughout the day, and, of  
16 course, the appropriate break for lunch.

17 Have you had your deposition taken  
18 before?

19 A. Not on this matter.

20 Q. On any matter, have you had your  
21 deposition taken?

22 A. Yes.

23 Q. Would you describe for me what types of  
24 matters that you've had your deposition taken  
25 before?

26 A. One matter was an asbestos suit that I  
27 was the treating physician. Another was a --  
28 serving as an expert witness in a medical  
29 malpractice suit. Another was a medical

4

1 malpractice suit in which I was involved, and that  
2 might be all.

3 Q. In the matter where you served as an  
4 expert witness in a medical malpractice lawsuit,  
5 for which party did you serve as an expert?

6 A. For the defense.

7 Q. Do you recall the name of the law firm  
8 that you worked with on that matter?

9 A. It was -- the lawyer was Tom Stennis, who  
10 is now deceased, and Bob Ramsay was associated  
11 with them. They're a functioning law firm in  
12 Hattiesburg now.

13 Q. In the asbestos lawsuit that you  
14 testified in, approximately what date was that  
15 testimony taken?

16 A. That was ten to 15 years ago. Probably  
17 ten years, I guess.

18 Q. Do you remember the name of the lawsuit?

19 A. No.

20 Q. Do you remember the name of the patient  
21 that was involved?

22 A. I've forgotten the name of the patient.

23 Q. In the medical malpractice lawsuit that  
24 you mentioned that you were involved in, does that  
25 mean that you were one of the named parties in the  
26 lawsuit?

27 A. Hattiesburg Clinic was a named party. I  
28 was involved.

29 Q. So you as an individual were not named --

1 A. I was not named.  
 2 Q. -- as a defendant.  
 3 A. That's right.  
 4 Q. Will you describe for me the nature of  
 5 the injury involved in that medical malpractice  
 6 lawsuit?  
 7 A. The claimed injury?  
 8 Q. Yes.  
 9 A. The patient had a deep vein thrombosis in  
 10 the subclavian vein which was rather severe. She  
 11 was placed on streptokinase to dissolve that  
 12 clot. And after removing -- after discontinuing  
 13 the streptokinase, two days later, she suffered an  
 14 intracerebral hemorrhage, and subsequently had  
 15 neurological damage from that.  
 16 Q. What was your role as someone testifying  
 17 in that lawsuit? Were you a treating physician?  
 18 A. I was treating physician.  
 19 Q. Was the injury alleged to be the result  
 20 of or a complication of some type of procedure  
 21 that was being performed on the patient?  
 22 A. It was allegedly due to the  
 23 streptokinase.  
 24 Q. Was the administration of the  
 25 streptokinase a form of treatment that was ordered  
 26 by you as a treating physician?  
 27 A. It was.  
 28 Q. Now, apart from deposition testimony,  
 29 have you ever testified at the trial of any

1 matter?  
 2 A. I have.  
 3 Q. Would you describe for me what types of  
 4 cases that you were involved in testifying at  
 5 trial?  
 6 A. One was a patient of mine who, I believe,  
 7 was involved in some type of accident and had a  
 8 neck or back injury or something. I don't  
 9 remember. It's been 25 years. And I had to  
 10 testify at that case.  
 11 I had another criminal case in which a  
 12 patient stole prescription pads and forged  
 13 narcotic prescriptions. I had to testify at that  
 14 case.  
 15 And at this last case I mentioned, a  
 16 medical malpractice case, I testified as a witness  
 17 for the plaintiffs in a suit against the  
 18 hospital. I don't remember any others. Oh, yes.  
 19 That other medical malpractice where I was an  
 20 expert witness, I testified.  
 21 Q. In the lawsuit against the hospital where  
 22 you were involved as a witness as a treating  
 23 physician, you say that your testimony was  
 24 presented through plaintiffs' case?  
 25 A. Plaintiff subpoenaed me to testify.  
 26 Q. Were you otherwise cooperating with the  
 27 plaintiffs' counsel in the prosecution of that  
 28 case?  
 29 A. I testified.

1 Q. You otherwise were not working with  
 2 plaintiffs' counsel --  
 3 A. No.  
 4 Q. -- in any way.  
 5 A. Had no conversations with plaintiffs'  
 6 counsel, other than on the witness stand.  
 7 Q. In the medical malpractice matter where  
 8 you performed as an expert witness, what was the  
 9 alleged injury in that case?  
 10 A. Failure to diagnose breast cancer.  
 11 Q. And you were testifying on behalf of the  
 12 defense in that case; is that --  
 13 A. That's right.  
 14 Q. Did your testimony in that case relate to  
 15 allegations against another physician or a  
 16 hospital? Who was the defendant in the case?  
 17 A. The physician.  
 18 Q. Physician? Is that another physician  
 19 here at the Hattiesburg Clinic?  
 20 A. He was not at that time. He has since  
 21 joined the Hattiesburg Clinic and has since  
 22 retired.  
 23 Q. What is the name of that physician?  
 24 A. Campbell.  
 25 Q. What is his first name, if you recall?  
 26 A. I don't remember.  
 27 Q. Approximately when did you provide that  
 28 testimony?  
 29 A. It's difficult to remember. I would

1 guess eight or ten years ago.  
 2 Q. We've discussed both matters in which  
 3 you've provided testimony at deposition and at  
 4 trial. Does your description of those matters --  
 5 has that been inclusive of every bit of testimony  
 6 that you've provided in either deposition or  
 7 trial?  
 8 A. I don't understand your question.  
 9 Q. I'll rephrase it. The matters that  
 10 you've already described that you testified at  
 11 deposition or at trial, are those all the matters?  
 12 A. I don't remember any others.  
 13 Q. Apart from litigation that you  
 14 participated in as either a deposition witness or  
 15 a trial witness, have you been involved in any  
 16 other litigation, either consulting for one or the  
 17 other party or having been named as a party to the  
 18 lawsuit itself?  
 19 A. I was named as a party 20, 25 years ago.  
 20 The case was thrown out of court by the Judge.  
 21 The attorney threatened to appeal. It was in  
 22 federal court. Threatened to appeal to the Fifth  
 23 Circuit, and the insurance company and the  
 24 hospital wanted to settle, which they did for  
 25 \$500.  
 26 Q. I take it that that was a medical  
 27 malpractice lawsuit?  
 28 A. Medical malpractice. That's right. And  
 29 another matter, I was a plaintiff in a lawsuit.

1 And in recollection now, I must have had a -- I  
2 must have been deposed in that, too, since I was a  
3 plaintiff, but I don't remember being deposed.

4 Q. What was involved in that lawsuit?

5 A. It was a lawsuit against -- malpractice  
6 against an accountant. About 15 plaintiffs.

7 Q. Do you recall the name of the accountant  
8 that the lawsuit was filed against?

9 A. No. I remember his assistant, but I  
10 can't remember his name.

11 Q. Who was the lawyer that represented you  
12 in that matter?

13 A. It was mainly a lawyer out of Jackson,  
14 whose name I don't remember, and there was one in  
15 town, George -- I can look it up in the phone  
16 book, but I can't remember his last name.  
17 George. I don't remember his name.

18 Q. In the matter that you described as a  
19 malpractice lawsuit against you roughly 20 to 25  
20 years ago, what was the allegation against you in  
21 that lawsuit?

22 A. The main allegation was one of family  
23 members saying I refused to refer the patient to  
24 another facility, and actual fact, the husband  
25 told me not to refer the patient, and I didn't.  
26 and the children sued, and they eventually  
27 wandered away, and the lawyer was left with no  
28 plaintiffs, and that's when the case was thrown  
29 out of court.

1 Q. Is there any other litigation that you  
2 have participated in as a consultant or expert  
3 witness but just simply have not yet provided  
4 testimony?

5 A. I am supposed to be involved with another  
6 tobacco lawsuit, but I have not had -- been no  
7 deposition and no real contact with it.

8 Q. Do you know what the name of that lawsuit  
9 is?

10 A. It's Burl Butler in Laurel. I am  
11 treating physician. I was treating physician.

12 Q. Is your role in the Burl Butler case to  
13 testify simply as a treating physician, or do you  
14 expect to provide expert testimony?

15 A. I don't know.

16 Q. Have you discussed the scope, the nature  
17 of your testimony with counsel in that case?

18 A. Not really.

19 Q. Are you participating in that case at the  
20 request of plaintiff's counsel?

21 A. Yes.

22 Q. Have you participated in the drafting of  
23 an expert report in the Burl Butler case?

24 A. No.

25 Q. And as you've mentioned, you have not  
26 otherwise discussed what the nature of your  
27 testimony may be in that case.

28 A. That's right.

29 Q. And by discussing the nature of your

1 testimony in that case, I am referring to  
2 discussing it with plaintiff's counsel. You have  
3 not done that; is that correct?

4 A. Not really. They stopped by a time or  
5 two and talked, but we never really settled on  
6 anything specific about what I'm to testify  
7 about. It's mostly just inquiring, would I  
8 testify and matters like that.

9 Q. What lawyers have you met with on that  
10 case?

11 A. I have no idea. Lawyers come in and  
12 out. I don't remember their names.

13 Q. Have they left you business cards so that  
14 you could possibly --

15 A. Probably have, but I don't have them. I  
16 figure if they want me, they'll call me. I  
17 don't --

18 (Off the record.)

19 MR. KEMNA:

20 Q. Dr. Owen, I probably should have, and I'm  
21 glad that the court reporter mentioned this to  
22 you, but since you've had your deposition taken  
23 before and you've testified before, I assume  
24 you're very familiar with the process. And as  
25 you've already done, when you did not understand  
26 my question, you asked me to repeat the question.  
27 Please do that the course of the deposition.  
28 Within your field of medicine, there are many  
29 technical terms that if, for whatever reason, the

1 question doesn't seem to make sense to you, please  
2 let me know. Otherwise, if you provide an answer,  
3 we'll assume that the question was understood.

4 And I know there's a tendency during the  
5 course of the deposition that once you get the  
6 sense of the direction I'm going with the  
7 question, you'd like to jump in and provide the  
8 answer. I would appreciate it if you'd let me get  
9 the full question out. That keeps the record  
10 clearer for not only the court reporter taking the  
11 testimony, but also others reading it later on.

12 MR. KEMNA: I'd like to have this marked  
13 as Defendant's Exhibit No. 1, please.  
14 (Exhibit 1 was marked.)

15 MR. KEMNA:

16 Q. Doctor, I'm going to hand you what's been  
17 marked as Deposition Exhibit No. 1, ask you to  
18 take a look at that briefly, and I'll ask you some  
19 follow-up questions.

20 Doctor, have you ever seen this document,  
21 Deposition Exhibit No. 1, prior to this  
22 deposition?

23 A. I have.

24 Q. Have you made an effort to respond in  
25 producing documents consistent with the request  
26 for documents contained within this Notice of  
27 Deposition?

28 A. All documents are in the box right over  
29 there.

1 Q. Okay.  
 2 MR. KEMNA: Let's go off the record for  
 3 Just a minute.  
 4 (Off the record.)  
 5 MR. KEMNA:  
 6 Q. Dr. Owen, the Defendants' Exhibit 1  
 7 entitled "Defendants' Notice of Deposition:  
 8 Dr. David Owen" indicates that the documents were  
 9 to be produced to me in Kansas City before  
 10 October 31st. Is there a reason for why those  
 11 documents could not have been produced then as  
 12 opposed to today?  
 13 A. I didn't have them.  
 14 Q. Let's start with your participation in  
 15 this case. When were you first contacted to  
 16 participate in this matter of Attorney General  
 17 Moore versus the various tobacco company  
 18 interests?  
 19 A. I don't remember.  
 20 Q. Can you give me an approximate time when  
 21 you were first contacted to participate as an  
 22 expert?  
 23 A. It was a number of months ago, five or  
 24 six. I don't know.  
 25 Q. Who contacted you at that time?  
 26 A. I don't know.  
 27 Q. What did that person, whoever it was,  
 28 have to say to you at that time about this  
 29 lawsuit?

1 A. It was a lady, a lawyer who was involved  
 2 in the Butler lawsuit, I believe, and since I was  
 3 testifying in that lawsuit, she asked if I would  
 4 be willing to testify in this one. I told her I  
 5 would.  
 6 Q. Was that a conversation over the phone or  
 7 in person?  
 8 A. I believe it was in the office.  
 9 Q. Do you remember approximately how long  
 10 that meeting took?  
 11 A. Not really. I believe maybe 15 minutes.  
 12 15, 20. I don't know.  
 13 Q. Was the scope or the nature of testimony  
 14 that you would be expected to provide in the  
 15 Moore case, the attorney general's action,  
 16 discussed between you at that time?  
 17 A. I believe she asked if I would testify  
 18 regarding treatment of cancer, of lung cancer.  
 19 Q. So it's your understanding that your  
 20 testimony would be limited to lung cancer as  
 21 opposed to other cancers.  
 22 A. To the best of my recollection.  
 23 Q. Is that your recollection here today,  
 24 current recollection, about the scope, the nature  
 25 of your testimony?  
 26 A. That's right.  
 27 (Off the record.)  
 28 MR. KEMNA:  
 29 Q. And so your current understanding of your

1 testimony in the Moore case is that you will be  
 2 testifying as to the treatment of lung cancer.  
 3 A. That's right.  
 4 Q. And your testimony, then, will not relate  
 5 to any other types of cancer.  
 6 A. As far as I know. I have not been  
 7 specifically told, so I don't know that I can  
 8 answer the question otherwise.  
 9 Q. We've mentioned that the first  
 10 opportunity that you had to talk to anyone about  
 11 this case was the number of months back that you  
 12 described meeting with someone who you believe to  
 13 be involved with the Butler case, a lawyer. What  
 14 other times have you met with lawyers or any other  
 15 individual to discuss the Moore case?  
 16 A. I really haven't had a discussion. The  
 17 only contact has been maybe telephone to set up  
 18 the deposition or a letter from the attorney  
 19 general thanking me for testifying or some of the  
 20 documents you see here. That's all I've had.  
 21 Q. Do you have the letter from the attorney  
 22 general?  
 23 A. No. I filed it.  
 24 Q. Is it accessible from your files?  
 25 A. No. In the trash.  
 26 Q. The circular file.  
 27 A. That's right.  
 28 Q. Would you describe for me how many times  
 29 you've actually had contact with anyone prior to

1 today regarding the Moore case?  
 2 A. Hasn't been very many, and most -- and  
 3 much of the contact has been through my office  
 4 nurse, not through me. I doubt if I've talked to  
 5 anybody over a couple of times, and that's  
 6 basically just set up appointments or whatever.  
 7 There's been no discussion about the case.  
 8 Q. At what point did you receive the  
 9 materials that you have produced here today  
 10 pursuant to our Notice of Deposition?  
 11 A. Over the past week.  
 12 Q. What was the first day that you had these  
 13 materials made available to you?  
 14 A. It may have been Thursday or Friday or  
 15 something like that. Last week, and then  
 16 additional material, maybe Tuesday.  
 17 Q. Have you reviewed all of these materials  
 18 that you have produced here today?  
 19 A. No.  
 20 Q. Of the materials that were included  
 21 within this box that you pointed out earlier, what  
 22 materials have you actually read?  
 23 A. I have read, I believe, all of the  
 24 depositions. I have not read the other material,  
 25 information material, I gather, which appeared not  
 26 to be germane to my testimony.  
 27 Q. Just to make it clear exactly what you  
 28 have reviewed, I'm going to itemize the  
 29 depositions and ask you questions about them. You

1 have reviewed the deposition of David Burns in the  
 2 Rogers v. R. J. Reynolds matter, deposition  
 3 testimony dated October 7, 1994?  
 4 A. Yes, I read that.  
 5 Q. Have you read the deposition of  
 6 Dr. Richard Peto in the Moore case, deposition  
 7 dated September 17 --  
 8 A. I did.  
 9 Q. -- 1996? Have you been provided with any  
 10 other days of deposition of Dr. Peto other than  
 11 what you've provided here today?  
 12 A. No.  
 13 Q. Have you reviewed the deposition of  
 14 Dr. Mark Green in the Moore matter dated  
 15 October 10, 1996?  
 16 A. I have.  
 17 Q. And have you reviewed the deposition of  
 18 Dr. Allan Feingold in the Grady Carter v. Brown &  
 19 Williamson matter, initial day of testimony dated  
 20 June 25, 1996?  
 21 A. I did.  
 22 Q. And that includes his entire deposition  
 23 that runs through page 562?  
 24 A. I'm not sure I read every word of it.  
 25 Q. But you, at least, reviewed the entire  
 26 deposition?  
 27 A. I reviewed most of -- I read most, if not  
 28 all of it. Again, it did not appear to be  
 29 germane, and I may have quit before I got to the

1 end.  
 2 Q. Also note that there are Defendant  
 3 Exhibit Numbers 6, 7, 15, and 21 attached to the  
 4 Dr. Feingold transcript. Did you review these  
 5 exhibits as well, Doctor?  
 6 A. No. I glanced at them.  
 7 Q. Doctor, this appears to be all of the  
 8 testimony transcripts contained within that box.  
 9 Have you reviewed any other testimony in  
 10 preparation for this deposition?  
 11 A. No.  
 12 Q. Now, you indicated earlier that there  
 13 were materials within this box that you were  
 14 provided with but that you may not have reviewed  
 15 because of questions in your mind regarding their  
 16 relevance to your expected testimony. I'm going  
 17 to itemize for you some of these materials and ask  
 18 you whether you've reviewed them.  
 19 First item is entitled "Cigarettes Don't  
 20 Cause Cancer." This is by Norwood S. Wilner. Did  
 21 you review that document in advance of the  
 22 deposition?  
 23 A. I did not read it.  
 24 Q. Another document entitled "Report on  
 25 Policy Aspects of the Smoking and Health Situation  
 26 in U.S.A." dated October 1964, with a first  
 27 page -- well, I'll give the range -- a document  
 28 number range of 1003119099 through 1003119135.  
 29 containing the mark, "Produced in Butler v.

1 Phillip Morris, Et AL." Doctor, did you read that  
 2 document?  
 3 A. No.  
 4 Q. Among these materials that you've  
 5 produced here today, tell me, if you would, who  
 6 provided the materials to you.  
 7 A. Plaintiff's attorney.  
 8 Q. Specifically, who was the plaintiff's  
 9 attorney that provided these materials to you?  
 10 A. I assume it was office of Ness Motley or  
 11 whatever.  
 12 Q. Was there any particular name attached  
 13 to, perhaps, a cover letter that --  
 14 A. There was a letter -- excuse me. There  
 15 was a letter, I believe, in that material you had,  
 16 unless it got thrown away. Is that it right  
 17 there?  
 18 Q. It might be on one of those other ones.  
 19 A. That's -- Is that the Green one? That's  
 20 the last one that came. That did not come with  
 21 the box. If it's not there, it may have gotten  
 22 discarded.  
 23 Q. Doctor, there's a Fed Ex airbill attached  
 24 to the lid for this box that these documents were  
 25 contained in, and it indicates that sender's name  
 26 is Susan Hoffman from the Ness Motley firm. That  
 27 would be the individual who sent the materials to  
 28 you?  
 29 A. I believe that's right.

1 Q. And the only materials that you received  
 2 in a separate package were those kept together by  
 3 a rubber band with a cover letter to you from  
 4 Kathryn Wilkinson of the Scruggs, Millette firm in  
 5 Pascagoula?  
 6 A. That's right.  
 7 Q. These materials were apparently faxed to  
 8 you?  
 9 A. No. They were received in a Fed Ex box.  
 10 Q. Well, that is this -- the separate  
 11 package with Dr. Green's deposition appears that  
 12 they may have been faxed to you?  
 13 A. No. They were in a Fed Ex box. I did  
 14 not bring the box. It's at home if you want it.  
 15 Q. One other item I wanted to check with  
 16 you --  
 17 A. That's not this phone number.  
 18 Q. There are a few other items here I just  
 19 want to check to see if you've reviewed these in  
 20 advance of this deposition today. Next item I  
 21 have is three pages stapled. The cover page is  
 22 entitled "New Cigarette Prototypes That Heat  
 23 Instead of Burn Tobacco," and the page immediately  
 24 after that is entitled "Matters From Group R & D  
 25 Conference Referred To CAC.III." Take a look at  
 26 that, Doctor, and tell me whether you've read  
 27 that.  
 28 A. No. I did not read it.  
 29 Q. Another item that was clipped to that

1 document just mentioned is dated May 1, 1972.  
 2 It's to Horace R. Kornegay from Fred Panzer, has a  
 3 marking "Plaintiff's Exhibit No. 1105" with a  
 4 document No. T0020999. Did you read that, Doctor,  
 5 in advance of the deposition?  
 6 A. No.  
 7 Q. Doctor, you also had within that box of  
 8 materials you produced today a textbook entitled  
 9 "Comprehensive Textbook of Thoracic Oncology,"  
 10 edited by Aisner, Arriagada, Green, Martini &  
 11 Perry. Is that your personal copy of that  
 12 textbook?  
 13 A. It is.  
 14 Q. And you included that within this box of  
 15 materials for what reason?  
 16 A. You asked for everything I had referred  
 17 to, and I glanced through that.  
 18 Q. Doctor, is that a textbook that you would  
 19 consider authoritative within the field of  
 20 oncology?  
 21 A. Not necessarily.  
 22 Q. Is that a textbook that you regularly  
 23 rely on in the conduct of your practice in the  
 24 field of oncology?  
 25 A. No. I just received it and never read  
 26 it.  
 27 Q. When did you receive that textbook?  
 28 A. Sometime recently. I wasn't here. A  
 29 drug representative left it. I just found it one

1 day on my shelf.  
 2 Q. When was the first time that you -- rough  
 3 estimation of when --  
 4 A. A couple of weeks ago.  
 5 Q. A couple of weeks ago is the first time  
 6 you actually noticed it on your shelf.  
 7 A. That's right.  
 8 Q. The other textbook that you had contained  
 9 in that box of produced materials was "Lung Cancer  
 10 Principles and Practice" edited by Pass, Mitchell,  
 11 Johnson, and Turrisi. Doctor, is that your  
 12 personal copy of that textbook?  
 13 A. It is.  
 14 Q. And what was your reason for producing  
 15 that textbook among these materials?  
 16 A. Same reason. I glanced through it.  
 17 Q. Is that a textbook you would find  
 18 authoritative on the subject of lung cancer?  
 19 A. I find it an acceptable reference.  
 20 Q. Is that a text that you regularly refer  
 21 to in the practice of your field of oncology?  
 22 A. No.  
 23 Q. Is that a text that you noticed in  
 24 advance of two weeks of the deposition that you  
 25 had in your library?  
 26 A. I did.  
 27 Q. Have you looked at this text over an  
 28 extended period of time?  
 29 A. I have looked at it a couple of times.

1 probably.  
 2 Q. Did it contain information that you  
 3 thought was particularly relevant to this lawsuit?  
 4 A. In what matter?  
 5 Q. In the Moore matter.  
 6 A. Relevant to my testimony?  
 7 Q. Yes.  
 8 A. Not a lot of help.  
 9 Q. Are these materials that you produced  
 10 today all of the materials that you believe are  
 11 responsive to the request for documents in  
 12 Exhibit No. 1, Defendants' Notice of Deposition?  
 13 A. They're all the materials I have received  
 14 from the plaintiff's attorney, except possibly an  
 15 occasional letter I may have thrown away and the  
 16 textbooks that I glanced through in preparation  
 17 for this deposition.  
 18 Q. Doctor, have you prepared any documents  
 19 in connection with your work with plaintiff's  
 20 counsel on this case?  
 21 A. No.  
 22 Q. Have you participated in the drafting of  
 23 any expert statement that may have been provided  
 24 in this lawsuit regarding the nature and extent of  
 25 your testimony expected at trial?  
 26 A. I read one that was prepared.  
 27 MR. KEMNA: Would you mark this as  
 28 Exhibit No. 2, please?  
 29 (Exhibit 2 was marked.)

1 MR. KEMNA:  
 2 Q. Doctor, I'm going to show you what's been  
 3 marked as Deposition Exhibit 2. Have you seen  
 4 that document before?  
 5 A. Yes, I have.  
 6 Q. That document is entitled "Rule 26 of  
 7 Expert Statement," indicating "David Owen," with a  
 8 section on "Subject Matter and Anticipated  
 9 Testimony," and then following that, "Summary of  
 10 Grounds." Did you discuss with plaintiff's  
 11 counsel what aspects of your testimony to be  
 12 included in this report?  
 13 A. No.  
 14 Q. Just to make sure that we are accurate in  
 15 what is contained within the scope of your  
 16 testimony expected at the trial of this matter, I  
 17 want to take a look closer at the wording of this  
 18 report and refer back to our earlier discussion.  
 19 You expect to testify on the topic of lung cancer,  
 20 that being the only cancer that will be material  
 21 to your testimony; is that correct?  
 22 A. I don't know that it was ever  
 23 specifically mentioned. I may have assumed it was  
 24 lung cancer, since that's what the Butler case was  
 25 about, and that's what led to this. My plan was  
 26 to discuss lung cancer.  
 27 Q. Okay.  
 28 A. But since I have not had discussion with  
 29 plaintiff attorney about it, I don't know.

1 Q. So it's your position today that the  
2 scope of your testimony is limited to lung  
3 cancer.

4 A. As far as I know.

5 Q. And you are not prepared to discuss  
6 expert opinions of matters relating to cancers  
7 other than lung cancer.

8 A. That's right.

9 Q. I note that on Exhibit 2, the specific  
10 wording of the statement indicates you will  
11 testify concerning various issues involved in the  
12 diagnosis and treatment of tobacco-related  
13 cancer. By the wording, tobacco-related cancer,  
14 is that intended to describe simply that cancer  
15 which has been statistically associated with  
16 cigarette smoking?

17 A. Since I didn't write it, I don't know  
18 what the thought was behind it.

19 Q. Well, let me ask you this, Doctor. Since  
20 you did not write this statement and you have not  
21 discussed the content of the statement with  
22 plaintiff's counsel in this case, does this  
23 statement, apart from what we've already discussed  
24 as lung cancer being the only disease process that  
25 you will testify about -- does the statement  
26 otherwise accurately represent your understanding  
27 of your expert testimony in this case?

28 A. It does.

29 Q. Let's go down the items on the page under

1 that introductory paragraph. The first item  
2 indicates "Methods of diagnosing the disease";  
3 second item, "Types of treatment available";  
4 third, "How the treatment is administered";  
5 fourth, "Side effects of the treatment"; fifth,  
6 "Costs of the treatment"; sixth, "Prognosis  
7 following the diagnosis of the disease," and last,  
8 "Patient communications concerning the diagnosis,  
9 treatment and prevention, and the pain and  
10 suffering associated with the disease." Is that  
11 the entirety of your testimony regarding lung  
12 cancer that you would expect to provide in this  
13 case?

14 A. Yes.

15 Q. I note, Doctor, that there is no  
16 indication on this expert report that you will  
17 testify to the question of whether lung cancer is  
18 caused by cigarette smoking. By your last  
19 response, I take it that you are not testifying  
20 regarding the causation issue in this case?

21 A. I was not asked to do so.

22 Q. And so, that is not your intention to  
23 testify as to causation.

24 A. That's right.

25 Q. I take it, Doctor, that your intention  
26 not to discuss the issue of causation regarding  
27 lung cancer and cigarette smoking is reflective of  
28 the fact that you do not consider yourself to be  
29 an expert on causation of lung cancer?

1 A. That's right.

2 Q. And that position applies to not only  
3 your participation in this lawsuit by the  
4 attorney general, Michael Moore, against the  
5 tobacco companies, but also would relate to any  
6 other matter in which exposure to tobacco smoke  
7 and lung cancer were at issue.

8 A. I can't answer that. I don't know.

9 Q. Doctor, do you currently have any  
10 affiliation with any university medical school or  
11 other teaching institution?

12 A. A loose relationship with the University  
13 of Southern Mississippi.

14 Q. Other than describing it as "a loose  
15 relationship," is there some type of a formal  
16 title or appointment that you have?

17 A. I have an appointment in the department  
18 of medical technology. I don't know what the  
19 title is, maybe associate professor or assistant  
20 professor or something. I did teach classes there  
21 in medical technology many years ago, but have not  
22 done so for a long time.

23 Q. Do you have any ongoing teaching  
24 responsibilities or -- perhaps not  
25 responsibilities, but just simply voluntary  
26 involvement with the University of Mississippi?

27 A. No.

28 Q. Doctor, I've had an opportunity to take a  
29 look at your curriculum vitae. Among the

1 publications you have listed, I believe that the  
2 date of the last published paper was in 1990. Do  
3 you have any other publications that are not  
4 reflected in that curriculum vitae?

5 A. What was the name of that paper?

6 Q. I can tell you that the subject matter  
7 dealt with etoposide and cisplatin for the  
8 treatment of non-small cell lung cancer.

9 A. I don't remember whether there have been  
10 any since then or not. Do you have -- it seems  
11 like there's been another one, but I can't  
12 remember the name of it.

13 Q. Do you recall approximately what year  
14 that may have been published?

15 A. '92 or '93, something like that. I'd  
16 have to check and see.

17 Q. I'm sorry. You don't recall the subject  
18 matter of the publication?

19 A. No.

20 Q. Do you recall the journal that it may  
21 have appeared in?

22 A. No.

23 Q. Do you have any manuscripts that are in  
24 press currently?

25 A. No.

26 Q. Doctor, do you have any texts that you  
27 would consider authoritative in your field of  
28 practice or other fields of practice that you  
29 would refer to in your practice and field of

1 oncology?

2 A. I have texts that I refer to. I don't  
3 necessarily feel they're authoritative. They may  
4 well be, depending on the subject matter. I'd  
5 have to see the individual article to see what I  
6 thought about it.

7 Q. Do you currently have DeVita's text,  
8 "Cancer: Principles of Practice of Oncology"?

9 A. I do.

10 Q. Is that a text that you would regard as  
11 reliable for you to refer to in your practice?

12 A. I read it periodically for specific  
13 items.

14 Q. Would you consider it the preeminent text  
15 within the field of oncology?

16 A. I don't know that I would say it's the  
17 preeminent. It may -- it's certainly the  
18 standard, I guess, for texts, and generally is a  
19 reliable text.

20 Q. Are you familiar with Dail and Hammar's  
21 text on "Pulmonary Pathology"?

22 A. No.

23 Q. Are you familiar with Thurlbeck and  
24 Churg's text on "Pathology of the Lung"?

25 A. No.

26 Q. Are you familiar with Aisner's text on  
27 "Comprehensive Textbook of Thoracic Oncology"?

28 A. No.

29 Q. What journals do you read or review on a

1 regular basis?

2 A. Journal of American Medical Association,  
3 New England Journal of Medicine, American Journal  
4 of Medicine, Annals of Internal Medicine, Cancer,  
5 Journal of Clinical Oncology, Seminars on  
6 Oncology. I think that's it.

7 Q. I take it by your regular review of those  
8 journals that you would regard each one  
9 individually as a reliable source of medical and  
10 scientific information?

11 A. Not necessarily. It depends on the  
12 article, again. Some articles are later proven to  
13 be incorrect. You have to read them and  
14 understand them and apply them as they relate to  
15 your experience.

16 Q. Do you recall whether you've made any  
17 public statements which might be encompassed by  
18 speeches or prepared statements for press, for  
19 instance, or any other type of public statement  
20 that relates to cancer incidence and either  
21 cigarette smoking or environmental tobacco smoke?

22 A. It seems like we had a small public  
23 relations piece, maybe, for the newspaper or the  
24 clinic newsletter regarding causation of cancer  
25 some years ago. I don't remember the details of  
26 it.

27 Q. Do you have any record of the text of  
28 your participation in that matter?

29 A. No.

1 Q. Apart from reviewing the selected  
2 materials that you produced here today and that we  
3 have itemized that you actually reviewed, have you  
4 done anything else in preparation for this  
5 deposition?

6 A. No.

7 Q. Doctor, have you ever smoked?

8 A. No.

9 Q. Has any member of your family ever  
10 smoked?

11 A. Yes.

12 Q. What members of your family are smokers?

13 A. Parents and two sisters.

14 Q. Are they currently smokers?

15 A. No.

16 Q. Doctor, I've noted that you're past  
17 president of the Mississippi division of the  
18 American Cancer Society.

19 A. That's right.

20 Q. Do you have any current or past  
21 membership in organizations that have as at least  
22 one of their positions discouraging cigarette  
23 smoking in society?

24 A. Not other than the American Cancer  
25 Society.

26 Q. No other organizations such as Stop  
27 Teen-age Addiction to Tobacco?

28 A. No.

29 Q. No other type of lobbying organization?

1 A. I don't remember any.

2 Q. Now, Doctor, I ask you to bear with me on  
3 this because it may be a little tedious to you,  
4 but I want to make sure that we have a clear  
5 understanding of the scope of your expertise. You  
6 have already indicated that you're not an expert  
7 in the causation of lung cancer; is that correct?

8 A. That's correct.

9 Q. I'm going to ask you questions about a  
10 series of other types of expertise and whether or  
11 not you are an expert. Do you consider yourself  
12 an expert in the field of pathology?

13 A. No.

14 Q. Do you consider yourself an expert in the  
15 field of epidemiology?

16 A. No.

17 Q. Are you an expert in statistics?

18 A. No.

19 Q. Do you have any expertise in the fields  
20 of psychiatry or psychology?

21 A. No.

22 Q. Are you an expert in the field of  
23 pharmacology?

24 A. No.

25 Q. Do you consider yourself an expert in the  
26 field of psychopharmacology?

27 A. No.

28 Q. Are you an expert on addiction?

29 A. No.



1 Q. Do you have any expertise on the design  
2 or manufacturing of cigarette products?  
3 A. No.  
4 Q. Do you consider yourself an expert on  
5 smoking and health?  
6 A. No.  
7 Q. Do you have any expertise in hospital  
8 administration?  
9 A. No.  
10 Q. Do you consider yourself to be an expert  
11 in medical economics?  
12 A. I have an interest in medical economics.  
13 I don't know how -- what you would have -- how you  
14 would define "expert."  
15 Q. Do you have any special knowledge of the  
16 field of medical economics such that you could  
17 provide guidance to those of your profession that  
18 do not have any special education or experience in  
19 that field?  
20 A. Probably some -- at some -- some degree,  
21 but not totally what you might term "expert  
22 knowledge," some degree less than that.  
23 Q. Do you consider yourself to be an expert  
24 on the operation and economics of the Mississippi  
25 Medicaid system?  
26 A. No.  
27 Q. Do you consider yourself to be an expert  
28 on the costs associated with the treatment of  
29 diseases that have been associated with cigarette

1 smoking?  
2 A. To some extent, maybe not to what you  
3 would classify an expert.  
4 Q. You have knowledge of --  
5 A. Knowledge of.  
6 Q. -- of the costs, but you do not feel that  
7 you have any special experience or knowledge base  
8 that would qualify you as an expert to testify on  
9 the costs of treating smoking-related disease.  
10 A. Some knowledge.  
11 Q. Some knowledge, but not expertise; is  
12 that correct?  
13 A. Quite possibly.  
14 Q. Do you consider yourself to be an expert  
15 in the field of medical oncology?  
16 A. Yes.  
17 Q. Do you consider yourself to be an expert  
18 in the field of radiation oncology?  
19 A. No.  
20 Q. Do you have any expertise in the field of  
21 molecular biology or molecular epidemiology?  
22 A. No.  
23 Q. Do you expect to provide any testimony  
24 relating to the organization known as "CTR" or  
25 Council for Tobacco Research?  
26 A. I'm not familiar with it.  
27 Q. Doctor, in the course of your practice,  
28 do you see patients whose treatment expenses are  
29 reimbursed under the Mississippi Medicaid program?

1 A. I do.  
2 Q. Is it apparent to you in the course of  
3 treating these patients that they are indeed  
4 Medicaid patients?  
5 A. What do you mean by that?  
6 Q. The question really relates to how are  
7 they identified such that it becomes apparent to  
8 you in the course of treatment that they are  
9 Medicaid versus private pay patients?  
10 A. They have a Medicaid card.  
11 Q. Since your testimony is limited to the  
12 discussion of lung cancer, I'm going to try and  
13 limit my questions to that subject area. Have you  
14 treated lung cancer patients who are under the  
15 Mississippi Medicaid program?  
16 A. I have.  
17 Q. Do you have a feel or an opinion  
18 regarding what proportion of your lung cancer  
19 patients are under the Mississippi Medicaid  
20 program?  
21 A. Not specifically. My total patient  
22 population is 13 percent Medicaid. I would think  
23 that the percentage of lung cancer patients may be  
24 a little higher than that on Medicaid, possibly as  
25 high as 20 percent. I don't have specific  
26 figures.  
27 Q. Among those patients that are under the  
28 Medicaid program that are lung cancer patients, in  
29 what setting are they generally provided

1 treatment?  
2 A. Could be treated either at hospital,  
3 office or both.  
4 Q. Is it fair to say, Doctor, that a  
5 substantial number of lung cancer patients that  
6 you treat are ambulatory?  
7 A. Yes.  
8 Q. And so that during the course of their  
9 treatment, they are dealt with on an outpatient  
10 basis but otherwise remain at home?  
11 A. That's right.  
12 Q. What proportion of your lung cancer  
13 patients would be referred to an institutionalized  
14 setting such as a nursing home?  
15 A. Rarely.  
16 Q. Do you currently have any patients that  
17 are diagnosed with lung cancer that have been  
18 placed in a nursing home facility?  
19 A. I can't think of any offhand. There  
20 might be one or two.  
21 Q. Would you expect in the general treatment  
22 of lung cancer patients in the state of  
23 Mississippi that those patients would rarely be  
24 placed in a nursing home facility for treatment?  
25 A. Not necessarily. Other physicians may  
26 have a different experience.  
27 Q. Do you have any personal knowledge  
28 whether other physicians would have any different  
29 experience than your own?

1 A. Yes. I see patients -- patients medical  
2 oncologists are following might be less likely to  
3 wind up in a nursing home. Patients a family  
4 practitioner or general internist are seeing might  
5 be more likely. If they're not under active  
6 treatment, just receiving supportive care, they  
7 might well wind up in a nursing home.

8 Q. Among those patients diagnosed with lung  
9 cancer who would be under the Mississippi Medicaid  
10 program, would it be your practice to refer them  
11 to a nursing home facility for follow-up care?

12 A. Rarely.

13 Q. To your knowledge, would it be  
14 permissible under the Mississippi Medicaid system  
15 for those patients to be dealt with in a nursing  
16 home facility for follow-up care?

17 A. If they met the criteria for Medicaid,  
18 they could.

19 Q. Are Medicaid patients dealt with in any  
20 different manner than private pay patients in  
21 terms of the nature of the treatment setting for  
22 follow-up care?

23 A. You want to break that question down?

24 Q. Patients diagnosed with lung cancer who  
25 fall under the Mississippi Medicaid program, is  
26 there any difference in the way that those  
27 individuals would be provided treatment than a  
28 private pay patient?

29 A. No. There is a problem with treatment.

1 not necessarily just with Medicaid. It's  
2 reimbursement for treatment. And we have to  
3 follow the guidelines that are set up either by  
4 Medicaid or Medicare or private insurance, all of  
5 which may be a little different as to what they  
6 will pay for, and we have to follow those.

7 Q. You've already indicated, Doctor, that  
8 you do not consider yourself to be an expert in  
9 the operation or the economics of the Mississippi  
10 Medicaid program. Do you have any knowledge  
11 regarding the demographic characteristics of  
12 Medicaid patients in Mississippi?

13 A. Explain your question.

14 Q. Have you made any special study or  
15 otherwise attempted to gain knowledge of what  
16 characteristics of people are included within the  
17 population of patients under the Medicaid system  
18 in Mississippi?

19 A. Well, poor people. They have to fall  
20 under certain income and meet certain  
21 qualifications to be eligible for Medicaid.

22 Q. Do they differ in any other respects from  
23 private pay patients for medical services, for  
24 example, in lifestyle characteristics or disease  
25 incidence?

26 A. Well, I'm sure they would, based on their  
27 poverty. Their lifestyle certainly would be  
28 different. As far as disease is concerned,  
29 sometimes they are sicker than private pay

1 patients by virtue of the fact that they don't  
2 come in for medical care.

3 Q. So it's been your experience that  
4 Medicaid patients avoid coming to the doctor?

5 A. Not totally. I don't mean to imply  
6 that. Sometimes they come more often. If they  
7 know they can get it paid for, they'll come in for  
8 inconsequential things, but I think, generally  
9 speaking, this is a poorer group of patients, less  
10 educated usually, and they sometimes aren't aware  
11 of the seriousness of their problems and come in  
12 when it's too late, or come in with a later  
13 disease, I should say.

14 Q. And this experience you've had with  
15 people coming in late in the course of their  
16 disease process, this would relate to lung cancer  
17 patients?

18 A. It could. Any cancer, but certainly  
19 lung.

20 Q. So, in fact, based upon your clinical  
21 experience with Medicaid patients who are  
22 diagnosed with lung cancer, oftentimes they do  
23 come in very late in the disease process.

24 A. I wouldn't say often. I would say they  
25 are more likely to come in late than a private pay  
26 patient, for instance.

27 Q. Now, you've mentioned that your knowledge  
28 of the Mississippi Medicaid population is really  
29 composed of your clinical experience, your

1 anecdotal experience in dealing with the patients  
2 in your practice. Have you attempted to educate  
3 yourself regarding the general experience with the  
4 Medicaid population in the state of Mississippi?

5 A. I don't understand the question.

6 Q. Do you have any knowledge of the various  
7 aspects of the Medicaid population in Mississippi  
8 other than your personal clinical experience?

9 A. I have a little knowledge of it. I was  
10 on the board of trustees of the State Medical  
11 Association and chairman of the board for two  
12 years, and we dealt with issues of poverty in the  
13 state and access to medical care and the problem  
14 with Medicaid. And looking at it in those  
15 aspects, I have some knowledge of it. But do I  
16 have considerable knowledge? No. Most of my  
17 knowledge is my own experience in my own practice  
18 and the problems I have in dealing with Medicaid  
19 with my own patients.

20 Q. Have you made any independent study of  
21 health issues in Mississippi? This is a general  
22 question.

23 A. Have I personally done it?

24 Q. Yes.

25 A. No.

26 Q. Have you made any independent study of  
27 the economic issues of the State of Mississippi?

28 A. Not personally.

29 Q. Have you made any study of the incidence

1 of smoking in Mississippi?

2 A. No.

3 Q. Are you familiar with any incidence rates  
4 of smoking in Mississippi?

5 A. No.

6 Q. From your prior response to my question  
7 about whether you have expertise regarding the  
8 Mississippi Medicaid system, I take it that you do  
9 not feel you would be in a position to state an  
10 opinion on whether smoking results in increased  
11 costs to the Mississippi Medicaid system over and  
12 above the costs that would otherwise be associated  
13 with the operation of the Medicaid program in this  
14 state?

15 A. I think I could make a statement that --  
16 that if you include what appear to be  
17 tobacco-related diseases, an increased incidence  
18 of these diseases, it certainly then would  
19 increase the costs of the State Medicaid  
20 Commission, but other than that, I would have no  
21 factual knowledge of it.

22 Q. This would be your sort of gut reaction  
23 to the question, but not an expert opinion on the  
24 issue: Is that correct?

25 A. It's not an expert opinion, as I have not  
26 delved into it and never run statistical studies  
27 of it.

28 Q. Doctor, what's your understanding of what  
29 you will testify to at the trial of this matter?

1 A. My only understanding is what is on the  
2 piece of paper you've shown me.

3 Q. Would you describe that for me in your  
4 own words since you didn't draft that document  
5 you're referring to, Exhibit No. 2?

6 A. My understanding is, I'll be testifying  
7 regarding the treatment of patients with lung  
8 cancer, the prognosis, possibly something  
9 regarding cost, and complications of treatment,  
10 complications of the disease.

11 Q. Is that the entire scope of your  
12 testimony, as you understand it?

13 A. As I understand it right now, that's what  
14 I've been asked to do.

15 Q. Am I correct in assuming, then, you are  
16 not testifying as to the diagnosis of lung cancer?

17 A. That would be included in -- in what I  
18 mentioned.

19 Q. So it's both the diagnosis and  
20 treatment --

21 A. That's right.

22 Q. -- of lung cancer.

23 A. That's right.

24 Q. Doctor, how do patients make their way to  
25 your office at the outset? Is it primarily by  
26 referral from other physicians?

27 A. That's right.

28 Q. Are you ever in a position of being the  
29 primary care physician for patients?

1 A. Occasionally.

2 Q. What proportion of your patients would  
3 you say are your patients by virtue of referral  
4 from other physicians?

5 A. Are you speaking of lung cancer patients  
6 now?

7 Q. Well, let's say patients as a whole, and  
8 then we'll talk lung cancer patients.

9 A. Well, greater than 95 percent would be  
10 referral.

11 Q. That's overall --

12 A. That's overall.

13 Q. -- patients.

14 A. And probably the same thing for lung  
15 cancer.

16 Q. Ninety-five percent of lung cancer  
17 patients would be there by referral.

18 A. Or greater or higher.

19 Q. In those patients, lung cancer patients  
20 that are referred to you, have they, in fact, had  
21 the diagnosis of their condition made before they  
22 see you?

23 A. Most of the time. Occasionally not.

24 Q. Is it fair to say the primary focus of  
25 your practice in the field of oncology is the  
26 treatment of cancers that have already been  
27 diagnosed by --

28 A. That's right.

29 Q. But to the extent that you still

1 participate in diagnostics for conditions such as  
2 lung cancer, you consider that to be within your  
3 area of expertise.

4 A. Certainly. I might explain that. Many  
5 times I'm asked to see a patient, the diagnosis is  
6 not clearly established, and I would have to help  
7 the surgeon or the family practitioner or whoever  
8 the primary care is, letting them know what I need  
9 as far as a diagnosis to set a treatment program  
10 up. And so I would tell them what I need and help  
11 them in getting whatever needs to be done to make  
12 the -- to establish the diagnosis.

13 Q. Let's start with the diagnosis of lung  
14 cancer. When a patient comes to your office, what  
15 information do you need to make a determination of  
16 the diagnosis of that patient?

17 A. You're referring to an undiagnosed  
18 patient?

19 Q. Yes.

20 A. I would have to have a biopsy evidence  
21 that the patient, in fact, does have lung cancer,  
22 is the main thing.

23 Q. I know that you said that you are not an  
24 expert on the causation of lung cancer, but let's  
25 assume for the sake of these questions that you  
26 are interested in what the cause of an  
27 individual's lung cancer may be. In attempting to  
28 evaluate cause, you first have to define exactly  
29 what the disease process is. Is that a fair

1 statement. Doctor?

2 A. That's correct.

3 Q. And in attempting to determine what that  
4 disease process is, you go through a series of  
5 diagnostic evaluations to arrive at the answer; is  
6 that correct?

7 A. That's correct.

8 Q. And you mentioned that a patient -- we're  
9 assuming now that this patient is going to be  
10 evaluated for lung cancer. You mentioned you  
11 would need a biopsy. Is it fair to say that the  
12 biopsy would be tissue from the bronchi or other  
13 areas within the lung tissue?

14 A. A biopsy, hopefully, from the malignant  
15 area itself, however it's obtained.

16 Q. And the malignant area would have to be  
17 within the confines of the bronchi or the lungs?

18 A. Within the chest. That's right.

19 Q. When you see a new patient and you're  
20 going to make a diagnostic evaluation of that  
21 patient, besides having the, you know, biopsy  
22 evidence of a cancer, what process do you take  
23 this patient through to evaluate them?

24 A. Well, if I'm seeing a patient regarding  
25 possibility of lung cancer, they obviously have  
26 had something before then to suggest it for them  
27 to be referred in. Usually, that would be an  
28 x-ray or a CAT scan or something, and the patient  
29 had presented to a primary physician or someone

1 else the symptoms suggestive of some type of lung  
2 problem.

3 Now, usually, when you have a patient  
4 like this, they're referred to the pulmonary  
5 specialist, but occasionally, they're referred to  
6 me, since -- if the referring physician feels  
7 strongly it's a cancer, they refer them in. So  
8 you've already got the basic information.

9 something on some test pointing to a problem  
10 within the chest: a nodule, a mass, or whatever.

11 At that time, I would take a history from  
12 the patient of his symptoms and at that time take  
13 an etiology history to some extent. I don't dwell  
14 on that, but whether they were smokers or how long  
15 or any contact with asbestos or any other known  
16 substance that might have a -- play a part in  
17 producing cancer, go through a complete review of  
18 systems, family history, social history, so forth,  
19 and do physical examination on the patient.

20 At the conclusion of all that, I would  
21 determine the best way to establish a diagnosis  
22 and then refer the patient to whoever I felt would  
23 be in position to accomplish what I felt -- feel  
24 should be done. If it looks like the patient  
25 should have a bronchoscopy, for instance, I refer  
26 them to a pulmonary specialist to get a  
27 bronchoscopy. If it's a peripheral nodule, for  
28 instance, I might go straight to the radiologist  
29 and ask him to biopsy that with a needle.

1 At the time of doing all of this as well,  
2 once a diagnosis is established, I would complete  
3 the -- we call staging studies, and this would  
4 include a bone scan to look for spread of disease,  
5 blood chemistries, and probably a CAT scan to look  
6 at the abdomen for evidence of spread, and  
7 depending on the type of cancer would probably get  
8 an MRI of the brain to see if there might be  
9 disease there. And then when we would conclude  
10 all of this, we're able to set up a treatment  
11 program.

12 Q. Doctor, you mentioned that in the process  
13 of working up a patient, you would take a medical  
14 history which would include questions relating to  
15 etiology. You mentioned three -- I believe it  
16 was -- well, maybe more than three, but you  
17 mentioned, you know, taking a smoking history,  
18 questions regarding exposure to asbestos, and  
19 then, in general, any other substance that might  
20 relate to the presumed disease. Are there any  
21 other questions that you can think specifically  
22 that relate to the question of etiology of the  
23 disease that you would include in your history?

24 A. Not generally. My main emphasis is not  
25 on trying to figure out why they got it, it's to  
26 figure out how to treat them once they have it.  
27 The main use of a smoking history, for instance,  
28 if you have a nodule or a mass in the lung, if the  
29 patient has been a heavy smoker for many years,

1 you'd be more likely to think in terms of the lung  
2 cancer; whereas, if you had a nonsmoker, you may  
3 be more likely to think it's some other type of  
4 illness. But you have to realize, these are  
5 really immaterial. You've got to get the biopsy  
6 to know what it is. And it's more for information  
7 than really any use -- any significant usefulness  
8 on my part.

9 Q. Can you think of situations where there  
10 is a remaining question of whether or not you  
11 indeed have a lung cancer and that the ultimate  
12 conclusion of whether or not the patient actually  
13 has lung cancer is influenced to some degree by  
14 the fact that they had a history of smoking?

15 A. Well, I think that's difficult to  
16 answer. The ultimate decision is the biopsy, and  
17 the biopsy really has nothing to do with smoking.  
18 I think there are times when we see things in the  
19 chest, and we are influenced to proceed one way or  
20 the other, depending on the smoking history. Yes,  
21 that happens.

22 Q. Now, Doctor, one of the questions that is  
23 answered by biopsy specimens in a pathology  
24 consult is if there is malignancy, what cell type  
25 that malignancy may be; is that correct?

26 A. That's correct.

27 Q. What are the cell types of cancer that  
28 occur in the lung?

29 A. Well, primarily, it depends on which

1 classification you want to look at. Primarily,  
 2 it's a small cell lung cancer versus a non-small  
 3 cell lung cancer. You can break down the  
 4 non-small cell lung cancers into various squamous  
 5 cell, adenocarcinoma, so forth. Then there are a  
 6 lot of the large cell carcinoma, the  
 7 bronchioalveolar, which is probably a subdivision  
 8 of adenocarcinoma, and neuroendocrine tumors, of  
 9 course. In all that, various things can occur,  
 10 mesothelioma in the chest.

11 Q. Now, can sarcomas occur in the chest?  
 12 A. Sarcomas can sometimes occur in the  
 13 chest.

14 Q. That's specifically in the lung?  
 15 A. They can come in soft tissue. Usually,  
 16 they're in the chest wall when they occur, but  
 17 yes, you could have one in the lung, but it would  
 18 be very rare.

19 Q. Can lymphomas occur in the lung?  
 20 A. Lymphomas commonly occur in the  
 21 mediastinum where the lymph nodes are. Yes, they  
 22 can be in the lung tissue, but usually, it's in  
 23 the lymph nodes. You can see a lymphoma with  
 24 dissemination through the lungs, but they're  
 25 usually started in the mediastinum or the hilar  
 26 nodes or somewhere.

27 Q. Again, recognizing, Doctor, that you're  
 28 not an expert on the cause of lung cancer, are you  
 29 familiar with the statistical associations that

1 have been established or at least reported between  
 2 certain types of lung cancer and cigarette  
 3 smoking?

4 A. Generally.

5 Q. What cell types of lung cancer, to your  
 6 knowledge, are in fact associated with cigarette  
 7 smoking?

8 A. As far as I know, all of the major  
 9 bronchial-type cancers have: small cell,  
 10 non-small cell, squamous cell, adeno,  
 11 bronchioalveolar, large cell, so forth, have all  
 12 been associated.

13 Q. Now, part of your answer, Doctor,  
 14 referred to the cell types that would be based in  
 15 the bronchi or bronchioles. Is that reflective of  
 16 your sense that it is centrally located cell types  
 17 that have been associated with cigarette smoking?

18 A. Well, some peripheral ones as well. The  
 19 adenocarcinoma can be more peripheral, and it has  
 20 a relationship, but I think, primarily speaking,  
 21 that most of them are centrally located as most  
 22 primary bronchoalveolar carcinomas are centrally  
 23 located.

24 Q. Are you familiar with literature that  
 25 raises question regarding whether peripherally  
 26 located cancers of the lung are caused by  
 27 cigarette smoking?

28 A. I'm familiar with some controversy.  
 29 Q. Would you agree that in the midst of this

1 controversy regarding peripherally located cancers  
 2 of the lung that, currently, one could not  
 3 conclude that cigarette smoking causes  
 4 peripherally located cancers of the lung?

5 A. I believe that's outside the scope of my  
 6 deposition; is it not?

7 Q. Well, I take it from that response, you  
 8 prefer not to express an opinion on that matter.

9 A. Well, I'm not being deposed about  
 10 etiology.

11 Q. Another way of saying that is you don't  
 12 have an expert opinion on that issue.

13 A. I don't have an expert opinion on that  
 14 issue.

15 THE WITNESS: Why don't we take a break  
 16 for a few minutes?

17 MR. KEMNA: Sure.

18 (Off the record.)

19 MR. KEMNA:

20 Q. Doctor, you mentioned that the objective  
 21 you have in evaluating a patient is primarily  
 22 treatment. Do you make it a general practice when  
 23 diagnosing lung cancer in a patient to make a  
 24 comprehensive evaluation of other organ systems to  
 25 affirm that it is indeed a primary to the lung?

26 A. Yes.

27 Q. What type of measures do you take in your  
 28 practice to assure yourself that it is indeed a  
 29 primary cancer of the lung?

1 A. Well, I think most of the time, it's a  
 2 pathological diagnosis. The pathologist can tell  
 3 us if this is a primary lung cancer or not. There  
 4 are some times there could be some confusion,  
 5 especially with adenocarcinomas which could  
 6 originate in other organs, specifically lung, for  
 7 instance, or GI tract or whatever. And then,  
 8 occasionally, there's some question about whether  
 9 it's a primary or secondary. But most of the  
 10 time, if the tumor orig- -- seems to originate  
 11 pathologically in a bronchial passage, you can  
 12 assume it's a primary in that area. A metastatic  
 13 disease is usually more out in the lung tissues,  
 14 and it can sometimes involve the bronchus itself.

15 Q. And when you say, metastatic disease is  
 16 more out in the tissues, you're talking about the  
 17 periphery --

18 A. Periphery --

19 Q. -- of the lung.

20 A. -- of the lung. It can be central, but  
 21 it's usually not involved at the bronchus itself.  
 22 But everything is statistical in medicine. It  
 23 sometimes can do that. And sometimes it can be  
 24 confusing. When you can see a metastatic tumor  
 25 from somewhere else that's going to the bronchus,  
 26 then it can be confusing as to whether it's a  
 27 primary or secondary, but most of the time, the  
 28 pathologist can tell us which it is, if he gets a  
 29 good specimen, I'll say, surgically. If it's just

1 a needle biopsy, though, he can't always -- can't  
2 always tell. But there are a lot of mark or  
3 stains that pathologists use to help determine the  
4 origin of a tumor. If it looks like it could be  
5 metastatic, then we look other areas, and these  
6 other areas that we -- I've looked at with the  
7 initial workup, but most of my initial workup is  
8 primarily to see if that primary lung cancer has  
9 spread other places.

10 Q. So most of the time in evaluating a  
11 patient, you're not exploring the question of  
12 whether the primary might have originated in  
13 another organ.

14 A. Well, that depends on how the patient  
15 presents and what the pathology looks like. If  
16 the x-ray and scans are compatible with the  
17 primary origin, and pathologically, it looks and  
18 appears to be a primary lung cancer, then we're  
19 not really looking other areas for primaries. We  
20 may be looking other areas for metastasis in these  
21 other areas we look at. But, for instance, on a  
22 clear bronchial adenocarcinoma, we don't do  
23 endoscopy of the colon to see if it could be  
24 something from down there that spread in the  
25 absence of symptoms, because it would be very  
26 unusual for a colon cancer to spread to the  
27 bronchus and look like a primary cancer there.

28 Q. But in the course of the workup on the  
29 patient, it is not unusual for a CAT scan to be

1 performed on the individual?

2 A. They're frequently done.

3 Q. And is that a whole body CAT scan that's  
4 conducted?

5 A. In my practice, it usually is, since  
6 we're usually looking at the lung to get a better  
7 picture of where the tumor in the lung is, and  
8 then looking to see if we see a spread into the  
9 abdomen. Primarily, the liver and sometimes the  
10 adrenal glands are common areas that the lung  
11 cancer will spread to.

12 Q. Would you agree that metastatic neoplasms  
13 to the lung are the most common tumor found in the  
14 lung?

15 A. I don't know -- I don't know whether they  
16 are or not. I would think it's quite likely they  
17 are, but I have not seen a figure that says.

18 Q. Do you often see patients in your  
19 practice where they present with a tumor in the  
20 lung that, in fact, is a metastasis from another  
21 organ?

22 A. Certainly.

23 Q. So I take it that at the outset, in  
24 trying to make some determination of the possible  
25 cause of the cancer, it's important to know  
26 fundamentally whether you're dealing with a  
27 primary lung cancer or a cancer metastasized from  
28 some other site.

29 A. That's right.

1 Q. And the answer to that question can only  
2 be arrived at through a sufficient workup  
3 medically, leading to a clinician's conclusion  
4 that, in fact, it is a primary cancer of the  
5 lung.

6 A. Well, it depends on what you mean by  
7 "sufficient."

8 Q. Is it true that virtually any malignancy  
9 at a non-lung site can metastasize to the lung?

10 A. Most of them can, but there are a number  
11 that usually don't, but there are -- most of them.

12 Q. Let me ask you some follow-up questions  
13 to that general question. Do breast cancers  
14 spread to the lung?

15 A. Commonly.

16 Q. Colon cancers spread to the lung?

17 A. Commonly.

18 Q. Stomach cancer?

19 A. Yes.

20 Q. Does pancreatic cancer spread to the  
21 lung?

22 A. Yes.

23 Q. Does kidney cancer spread to the lung?

24 A. Yes.

25 Q. Does malignant melanoma spread to the  
26 lung?

27 A. Yes.

28 Q. Does prostate cancer spread to the lung?

29 A. Occasionally.

1 Q. Does liver cancer spread to the lung?

2 A. Sometimes.

3 Q. Does thyroid cancer spread to the lung?

4 A. It can. I think it's fairly rare, but it  
5 can.

6 Q. Does adrenal gland cancer spread to the  
7 lung?

8 A. Yes.

9 Q. How about cancers of the male and female  
10 genital tracts: can they spread to the lung?

11 A. Yes.

12 Q. That would include cancer of the cervix?

13 A. Yes.

14 Q. Doctor, are you familiar with some of the  
15 epidemiological studies that have been conducted  
16 on various risk factors and lung cancer?

17 A. Vaguely.

18 Q. Are you familiar with the fact that  
19 studies relating to lung cancer often rely upon  
20 death certificate data to generate the information  
21 necessary to establish some statistical  
22 association?

23 A. Not specifically, but it wouldn't  
24 surprise me.

25 Q. Do you personally fill out death  
26 certificates on patients who die as a result of  
27 their disease process, specifically lung cancer?

28 A. Yes.

29 Q. What type of information is included on a

1 death certificate relating to the death of a lung  
2 cancer patient?

3 A. You mean, what do I fill out?

4 Q. Yes.

5 A. What part I fill out?

6 Q. Yes.

7 A. I sign my name as the -- as either  
8 certifying or attending physician, put the date,  
9 my license number. Then there's a list of the  
10 three blanks for cause of death, the primary cause  
11 of death, and then it says something to the  
12 effect, due to or -- No. 2, or due to No. 3. Then  
13 there's a blank under that saying other conditions  
14 the patient has, but not necessarily related to  
15 death.

16 Q. In the primary cause of death line that's  
17 filled out on the death certificate, if a patient  
18 was diagnosed with lung cancer and you believe  
19 that to be the primary cause of death, what do you  
20 put on that line?

21 A. I would put lung cancer.

22 Q. Do you ever indicate the specific cell  
23 type of lung cancer?

24 A. Sometimes, but not all the time.

25 Q. And according to practice, that is not  
26 considered a necessary item of information on  
27 death certificates, is it, Doctor?

28 A. That's right. If the certificate is  
29 filled out inadequate, the health department will

1 send it back and want specific information. They  
2 never send it back for that.

3 Q. Doctor, would you consider it sufficient  
4 in attempting to make some kind of a causal  
5 conclusion between a particular lung cancer and  
6 some exposure, whether it be cigarette smoking or  
7 something else, that you could only have  
8 information available on the death certificate and  
9 the knowledge of a history of exposure and you  
10 could conclude based on that the causation of the  
11 disease?

12 A. Repeat your question.

13 MR. LEWIS: Is this a causation  
14 question?

15 MR. KEMNA: Can you read that back?  
16 (Question read.)

17 THE WITNESS:

18 A. That's a difficult question. I think a  
19 simple answer would be no, you can't. You have to  
20 have more information than that. You'd have to  
21 have population studies or whatever to add to it,  
22 but just to know a patient was a smoker and died  
23 with a lung cancer doesn't necessarily mean it  
24 caused a lung cancer.

25 MR. KEMNA:

26 Q. Would you need to know more information  
27 about that individual patient, for instance,  
28 having the opportunity to review the medical  
29 records that document the diagnostic process, the

1 entire workup of the patient?

2 A. Well, you have to have a lot more than  
3 just a death certificate. I think death  
4 certificate data is only good for large scale  
5 epidemiological studies, but not specifically for  
6 an individual patient.

7 Q. How would you consider death certificates  
8 to be sufficient for the purpose of a large scale  
9 epidemiological study if it is insufficient as a  
10 basis of information to determine causation on an  
11 individual by individual basis?

12 A. And if you're looking at a study to see  
13 how many people died with a kidney cancer, for  
14 instance, almost always the death certificate is  
15 going to have kidney cancer on there. Now, they  
16 may say the patient actually died of pneumonia or  
17 something else, but then that other blank down  
18 there that says other conditions should -- they  
19 should have the cancer. If the patient had a  
20 significant illness like that.

21 So I think you can get population studies  
22 of the -- generally, of the incidence of a  
23 particular cancer by looking at death certificate  
24 diagnoses. They're not going to be exact, but  
25 it's maybe the closest thing we can do without a  
26 very expensive hospital by hospital, case by case  
27 review to get more definitive information.

28 Q. And by collecting that death certificate  
29 information and generating some idea of the

1 incidence of, for instance, lung cancer, you  
2 could, by going back and looking at all of the  
3 individuals for whom death certificates have been  
4 filled out, collect information on smoking  
5 history. You would then attempt to make some  
6 association statistically between the two; is that  
7 correct?

8 A. You're not going to get that off the  
9 death certificate. You'd have to go back to case  
10 reports for each patient, have a smoking history.

11 Q. But the outcome of the epidemiological  
12 study would be some attempt at determination of an  
13 association between the incidence of the disease  
14 and the factor at issue, for instance, cigarette  
15 smoking; is that correct?

16 A. It could be.

17 Q. Do you agree that establishing simply a  
18 statistical association between a disease and a  
19 particular exposure is not the same as having  
20 established cause and effect?

21 A. Well, it's one thing that could enter  
22 into establishing a cause and effect, but it would  
23 take other information in addition to that, a  
24 summation of information.

25 Q. What other types of information would you  
26 assume might be necessary in order to make some  
27 kind of a causal attribution?

28 A. Well, now, again, you're getting off on  
29 the periphery of my expertise, and I can only give

1 my opinions on what I think as a non-expert on  
2 etiology. I would think you would need  
3 information regarding the carcinogenesis of a  
4 particular compound. Can you show and test  
5 animals, for instance, that it produces malignancy  
6 of those animals? You need information like  
7 that. You would need information from pathology  
8 on how it affects the tissue itself, in addition  
9 to -- if you can, show some actual etiology such  
10 as the asbestos and mesothelioma where you could  
11 see asbestos fibers in there.

12 As far as smoking is concerned in  
13 causation of lung, I don't know pathologically  
14 what you see as far as tars or whatever in cancer  
15 tissue itself to indicate an etiology. Again, I  
16 have no knowledge of that.

17 Q. But it's your inclination in considering  
18 the question of causation that laboratory studies  
19 that would include the study of the response in  
20 animals to the same type of exposure that we're  
21 talking about in humans would be important in the  
22 course of trying to draw some kind of conclusion  
23 about causation?

24 A. And, again, I'm not an expert. I would  
25 say it would be very helpful in it, but I think  
26 there are probably other ways to do it  
27 statistically, looking at other factors that --  
28 which you would not necessarily have to have that.  
29 but in my mind, it would be very helpful if you

1 could demonstrate it. And the more evidence you  
2 have to be certain of cause and effect, I think  
3 the more sure you can be of the fact.

4 Q. And what you're referring to is making  
5 some kind of a judgment in view of all of the  
6 evidence that you can pull together on a  
7 particular exposure and a disease.

8 A. That's right.

9 Q. Would you agree with the statement that  
10 true primary bronchial adenocarcinomas are rare?

11 A. Not that I know of. I'm not aware of  
12 them being very rare.

13 Q. Would you agree that most lung  
14 adenocarcinomas are peripheral in location?

15 A. Many are peripheral. If not most.

16 Q. Would you agree that it's not correct to  
17 classify an adenocarcinoma of the lung as a  
18 bronchogenic carcinoma?

19 A. No. I would call it a bronchogenic  
20 carcinoma. I believe it's listed under  
21 bronchogenic carcinomas in most of the literature  
22 I've read.

23 Q. Are you familiar with the data that seems  
24 to support -- let me rephrase that. Are you  
25 familiar with the data that shows an increase in  
26 the incidence of adenocarcinoma of the lung over  
27 the past, roughly, 40 years?

28 A. How many years?

29 Q. 40.

1 A. 40?

2 Q. 40.

3 A. I'm not sure about 40. There has been an  
4 increase in adenocarcinoma.

5 Q. Do you agree that adenocarcinoma back in  
6 the mid 1960s was not considered the predominant  
7 cell type of lung cancer?

8 A. Yes.

9 Q. Would you agree that today that  
10 adenocarcinoma is considered the predominant cell  
11 type of lung cancer?

12 A. I don't know whether it is or not.

13 (Off the record.)

14 THE WITNESS:

15 A. I should clarify that answer slightly. I  
16 don't always pay a lot of attention as to the  
17 non-small cell lung cancer as to whether it's  
18 squamous or adeno or what, because we basically  
19 treat them all the same way. So it doesn't make a  
20 lot of difference to me which particular type it  
21 is. So I just don't look at that. So that's why  
22 I can't really say, in my experience, whether I  
23 feel adeno is the leading cell type at this time.

24 MR. KEMNA:

25 Q. So you have no opinion on what might  
26 account for a change in the incidence of  
27 adenocarcinoma from 1965 to 1995 --

28 A. I don't have any personal knowledge of  
29 any reason for it. I have read and wonder about

1 the -- since it is a significant increase in  
2 women, and there has been increase in smoking in  
3 women, whether that's related to it. I don't  
4 know.

5 Q. Do you consider bronchioalveolar  
6 carcinoma to be a subtype of adenocarcinoma?

7 A. Yes.

8 Q. Are you aware of whether it is  
9 bronchioalveolar carcinoma that is contributing to  
10 the increased incidence of adenocarcinoma over the  
11 period of time that I've described?

12 A. It has increased in incidence. I don't  
13 know what proportion of that versus other types of  
14 adenocarcinoma.

15 Q. You've read the deposition of Dr. Mark  
16 Green in this case?

17 A. I did.

18 Q. Did you read the testimony indicating  
19 that he and another individual at the University  
20 of California in San Diego recently published an  
21 article on bronchioalveolar carcinoma?

22 A. I saw that.

23 Q. Did you also see that the incidence of  
24 bronchioalveolar carcinoma as reported by  
25 Dr. Green now is as high as 24 percent of all lung  
26 carcinomas?

27 A. That's not been my experience. I find  
28 that hard to believe. I'd have to see his data  
29 and see what the local experience is, but we



1 rarely get a pathology report saying  
2 "bronchioalveolar carcinoma." It's hard for me  
3 to believe it's that high in incidence.

4 Q. Do you have any reason to expect that the  
5 experience in -- excuse me -- the incidence of  
6 bronchioalveolar carcinoma in Mississippi would  
7 differ in any respect from any other geographic  
8 location in the United States?

9 A. It probably does, for whatever reason, as  
10 the incidence of stomach cancer theories from  
11 Japan to U.S., ethnic groups within the U.S. I'm  
12 sure there are so many variables that go into it,  
13 that there may well be some differences, but I  
14 don't -- I don't know of it specifically.

15 Q. If you were interested in making some  
16 kind of a determination of the possible risk  
17 factors associated with lung cancer, for instance,  
18 in the state of Mississippi, would you be  
19 comfortable with simply extrapolating from a  
20 national data base of information about factors  
21 associated with lung cancer --

22 A. I think that --

23 Q. -- to the state of Mississippi?

24 A. I think that would be a place to start,  
25 but if you wanted specifically in Mississippi, you  
26 would have to look at specifically in Mississippi  
27 at risk factors, and it -- as you can -- as you  
28 can demonstrate them.

29 Q. And as you've already indicated, you have

1 recognized yourself that there are, in fact,  
2 distinct differences in the incidence of lung  
3 cancer in Mississippi and how it may relate to  
4 factors within the confines of the state of  
5 Mississippi.

6 A. I don't remember saying exactly that.

7 Q. Is that consistent with your view, based  
8 upon what you've read, your personal experience in  
9 your practice, or any other information?

10 A. Better repeat the question.

11 (Question read.)

12 THE WITNESS: You might need to go back  
13 further than that.

14 MR. KEMNA: I think he might want the  
15 earlier question, the one that preceded that  
16 one.

17 (Previous question read.)

18 THE WITNESS:

19 A. I still don't remember saying that. I  
20 don't know that I have specifically indicated any  
21 differences, other than the fact in relating to  
22 Dr. Green's paper, I don't feel that's my  
23 experience, but that's an off-the-cuff statement,  
24 not having looked at the pathology reports to see  
25 there's a bronchioalveolar carcinoma here.

26 MR. KEMNA:

27 Q. Do you have any knowledge of clusters of  
28 lung cancer incidence -- increased incidence of  
29 lung cancer that have occurred within the state of

1 Mississippi over -- over time, generally?

2 A. I believe there were -- the American  
3 Cancer Society -- well, I'm not even sure it's the  
4 American Cancer Society. There were statistical  
5 studies showing increased risk of cancer along the  
6 Coast and up the Mississippi River, and pretty  
7 significant incidence along the Delta and so  
8 forth. This was generally cancer, but I think it  
9 may well have related specifically to lung cancer  
10 as well, though I'm not positive about that. So  
11 that would be the only thing I could say, the  
12 possibility of it increased along the Coast and  
13 the Delta. That would be -- it's the same across  
14 the country, though. The Coast versus, say,  
15 Kansas, which is in the middle of the nation,  
16 increased risk of cancer, and, I believe, lung  
17 cancer.

18 Q. Now, you've described this increased  
19 incidence of cancer and included within cancer,  
20 lung cancer. On the basis of these geographic  
21 regions in the state of Mississippi, and I assume  
22 since you're talking Mississippi, also Louisiana,  
23 the Delta region --

24 A. That's right.

25 Q. -- have you read or are you otherwise  
26 knowledgeable of possible factors that are  
27 believed to be at play for this increased  
28 incidence of cancer in these regions of the state  
29 of Mississippi?

1 A. I have not read about it.

2 Q. Do any possible risk factors for this  
3 increased incidence of lung cancer in these  
4 regions of the state occur to you at this time for  
5 whatever reason?

6 A. Well, quite possibly, smoking. I tend to  
7 think maybe the deck hands, the river people, the  
8 port people may smoke a greater degree than people  
9 inland. I don't know if that's true, just it's an  
10 impression I have in seeing the people, that so  
11 many of them are smokers. But then you also have  
12 in the area of the asbestos exposure as well, on  
13 the Mississippi Coast specifically, and I assume  
14 there may be some on the river.

15 Q. Among the possible factors that you would  
16 consider, would you include the petrochemical  
17 industry?

18 A. Certainly possible, yes.

19 Q. Among the possible factors that you would  
20 consider, would you include sugar cane farming and  
21 refining?

22 A. I don't know about that.

23 Q. Are you familiar with the description of  
24 some peripheral lung cancers as scar carcinomas?

25 A. Yes.

26 Q. What is your description of a scar  
27 carcinoma?

28 A. Well, I think the description has  
29 changed. When I was in medical school, it really

1 was suggested that these were carcinomas that  
2 developed at some scarring for whatever reason. I  
3 think since then, there may be a change in thought  
4 about that. Certainly, the scarring, the  
5 fibrosis, may well be developing in the  
6 adenocarcinomas after they're forming, rather than  
7 preceding it. I don't have much other  
8 pathological knowledge other than that.

9 Q. Would you agree with the statement that  
10 the question whether the scar precedes the cancer  
11 or postdates the cancer is controversial?

12 A. I would think so.

13 Q. Can previous pulmonary infections account  
14 for scarring of the lung parenchyma?

15 A. They are thought to do so. That's right.

16 Q. And among pulmonary infections, would you  
17 include tuberculosis as one condition that may  
18 result in scarring?

19 A. Yes.

20 Q. Are you familiar with other possible  
21 causes of scarring of the periphery of the lung,  
22 including the results of rheumatological diseases?

23 A. Of what?

24 Q. Rheumatological diseases.

25 A. You can get nodules in the lungs from  
26 rheumatological diseases.

27 Q. So that would be a yes, that is a form of  
28 scarring; is that correct?

29 A. Could be scarring.

1 Q. What type of rheumatological diseases  
2 could result from that type of scarring?

3 A. Well, most any of them, but, of course,  
4 basically, the rheumatoid arthritis can. There  
5 are others as well, any of the collagen diseases.

6 Q. Can scarring of the lung be induced by  
7 the administration of any drugs?

8 A. You get a fibrosis from chemotherapy,  
9 from some chemotherapy drugs, but I don't really  
10 call that scarring. You can get a fibrosis from  
11 radiation, which, I guess, sometimes could -- over  
12 a period of time could result in scarring.

13 Q. Are you familiar with the literature that  
14 points to bronchioalveolar carcinoma as the cell  
15 type of lung cancer that is associated with  
16 scarring in the lung?

17 A. Yes.

18 Q. If you were to assume that a peripheral  
19 cancer of the lung was associated with a  
20 preexisting scar, does that tell you about the  
21 etiology of that lung cancer?

22 A. Not totally.

23 Q. Would the preexisting scar associated  
24 with a peripheral cancer lead you in any direction  
25 regarding possible cause of that cancer?

26 A. Well, again, you're asking a question I  
27 don't have the expertise on etiology. I would say  
28 it would suggest a bronchioalveolar carcinoma cell  
29 type, suggest the possibility it could be related

1 to the scar, but I don't think you could exclude  
2 other causes.

3 Q. When you take medical history on a  
4 patient, one of the aspects of taking that  
5 history, you mentioned, was getting family  
6 history.

7 A. Yes.

8 Q. What's included within the subject of  
9 family history?

10 A. Well, family history, looking for  
11 familial diseases. Specifically, the patients  
12 fill out a questionnaire, and on it, it asks,  
13 anyone in the family have cancer, heart disease,  
14 diabetes -- I don't know what else is listed,  
15 several things like that.

16 Q. What's the purpose in getting that type  
17 of information?

18 A. Well, basically, to have a more complete  
19 knowledge about the patient.

20 Q. Does it have relevance to possible  
21 etiology for the lung cancer?

22 A. Very rarely.

23 Q. Are you familiar with what's known as  
24 familial clustering of lung cancers?

25 A. I'm associated with the term of familial  
26 lung cancer, which is very rare, not of clusters.

27 Q. And what is the definition of familial  
28 lung cancers?

29 A. Well, it would be several members of the

1 family having lung cancer, basically. There are  
2 some rare genetic changes that can have a slight  
3 increase in the incidence of lung cancer within  
4 familial members, maybe have one, two, four, five  
5 times the rate you would expect otherwise.

6 Q. And on an individual by individual basis,  
7 if you were attempting to determine the etiology  
8 for the lung cancers in those individuals,

9 familial history is important, as well as talking  
10 about other possible factors like exposures on the  
11 job, occupational exposures, and other factors  
12 that you have already mentioned; is that correct?

13 A. Yes. That's correct. But, again, I'm  
14 not involved in that.

15 Q. You also mentioned taking a social  
16 history. What is involved in the scope of a  
17 social history on a patient?

18 A. Occupational history, the history of  
19 smoking, of alcohol intake, education, these type  
20 things.

21 Q. Do you consider alcohol to be a risk  
22 factor for lung cancer?

23 A. Not really.

24 Q. What is the average age of an individual  
25 that is first diagnosed with lung cancer?

26 A. Average age for a patient with lung  
27 cancer is about 60.

28 Q. Among those individuals that you see  
29 diagnosed with lung cancer, are there any below

73

1 the age of 35?

2 A. I don't remember seeing anybody below the

3 age of 35 for lung cancer. Bronchogenic

4 carcinoma, we're talking about.

5 Q. Well, if your answer is responsive to

6 bronchogenic carcinoma, that's fine. Let's

7 generalize it more to just lung cancer. Does your

8 answer still apply to just --

9 A. Which included all the types --

10 Q. -- the description --

11 A. -- that we mentioned initially.

12 Certainly, lymphomas are common in the -- in below

13 35. I've seen mesothelioma. Of all the primary

14 tumors, I guess that would be the only ones I've

15 seen.

16 Q. Has smoking ever been associated with

17 mesothelioma?

18 A. I don't believe so.

19 Q. Has smoking ever been associated with

20 lymphoma?

21 A. Not to my knowledge.

22 Q. And what you would generally recognize as

23 smoking-related lung cancer, you have not seen

24 such a patient below the age of 35; is that

25 correct?

26 A. I don't remember any offhand. No.

27 Q. Based upon your knowledge of the

28 epidemiology of lung cancer, do you know what the

29 incidence of lung cancer is below the age of 35?

74

1 A. No.

2 Q. Would you agree that it is extremely rare

3 below the age of 35?

4 A. I would think so.

5 Q. Do you believe asbestos to be a cause of

6 lung cancer?

7 A. No. Other than mesothelioma, now.

8 Q. Well, let's make sure that we have a

9 clear understanding.

10 A. Well, I take that back, now. I think I'm

11 wrong on that. There is an increased risk. I'm

12 sorry. There is an increased risk of lung cancer,

13 bronchogenic carcinoma, secondary to smoking, as

14 the increased risk with asbestos, and the two

15 together certainly is -- is much higher than the

16 two added. There is an increased risk with

17 asbestos.

18 Q. As you've repeated throughout the

19 deposition, is it fair to say that that would not

20 fall within your area of expertise because it

21 relates to the causation of lung cancer?

22 A. It's not within my area of expertise, but

23 it's within my reading. I keep reading this. I

24 don't have any independent research knowledge of

25 it, no.

26 Q. Not within your area of expertise, but

27 from your continued reading in the literature, you

28 have become aware of it.

29 A. Basic medical knowledge.

75

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1 Q. As to your medical knowledge regarding

2 associations between various factors and lung

3 cancer, I'm going to ask you a series of questions

4 about the various substances or exposures and ask

5 you whether or not you're familiar with an

6 association between those factors and lung

7 cancer.

8 Are you familiar with whether Radon is

9 associated with an increased incidence of lung

10 cancer?

11 A. It is.

12 Q. Are you familiar with any estimate of the

13 number of lung cancers in the United States that

14 might be attributable to Radon exposure?

15 A. It seems like I've read 5 percent or

16 less.

17 Q. Does a number come to mind for you as to

18 how many lung cancers would be diagnosed in the

19 U.S. in a single year?

20 A. I believe the studies show about 150,000,

21 160, somewhere along in there.

22 Q. Are you familiar with any data

23 associating bischloromethyl ether with increased

24 incidence of lung cancer?

25 A. Yes.

26 Q. Does any number come to mind regarding

27 the proportion of lung cancer that might be

28 attributable to exposure to bischloromethyl ether?

29 A. No.

1 Q. Are you familiar with whether

2 acrylonitrile is associated with an increased

3 incidence of lung cancer?

4 A. I believe it's been associated, but I

5 have no figures on it.

6 Q. Do you know whether beryllium has been

7 associated with an increased incidence of lung

8 cancer?

9 A. I think it's been mentioned.

10 Q. Do you know whether formaldehyde has been

11 associated with an increased incidence of lung

12 cancer?

13 A. I'm not aware of that.

14 Q. Do you know whether welding fumes have

15 been associated with an increased incidence of

16 lung cancer?

17 A. I think there's some suggestion of that.

18 Q. Do you know whether occupational exposure

19 with coal gasification industry is associated with

20 an increased incidence of lung cancer?

21 A. Not specifically, but I would guess it

22 might be.

23 Q. Do you know whether exposure to

24 hexavalent chromium is associated with an

25 increased incidence of lung cancer?

26 A. I don't know.

27 Q. Do you know whether exposure to nickel is

28 associated with an increased incidence of lung

29 cancer?

1 A. It's mentioned as one possible cause.  
 2 Q. Has silicosis been associated with an  
 3 increased incidence of lung cancer?  
 4 A. I don't think so.  
 5 Q. Is smoking marijuana associated with an  
 6 increased incidence of lung cancer?  
 7 A. I've never read anything that said it  
 8 was. I would guess if someone smoked enough, it  
 9 might.  
 10 Q. Are you familiar with any reports that  
 11 lack of exercise is associated with an increased  
 12 incidence of lung cancer?  
 13 A. Not specifically lung cancer.  
 14 Q. Any health effects that you're aware of  
 15 that's associated with lack of exercise?  
 16 A. Well, certainly, it's a possibility it  
 17 might increase heart disease, lack of exercise.  
 18 Q. Any incidence of cancers associated with  
 19 lack of exercise?  
 20 A. Not that I know of.  
 21 Q. Are you familiar with data that  
 22 associates a high fat diet with an increased  
 23 incidence of lung cancer?  
 24 A. I've read about it.  
 25 Q. Are you familiar with a study conducted  
 26 in Missouri that specifically associated a high  
 27 fat diet in women with an increased incidence of  
 28 adenocarcinoma?  
 29 A. No. Other than the fact that I think you

1 mentioned it in the deposition of Dr. Green. I  
 2 believe. I'm totally unaware of it otherwise.  
 3 Q. Is it fair to say that the materials that  
 4 you have reviewed in advance of this deposition,  
 5 that you are relying upon those materials as  
 6 forming a basis, at least one of the bases, for  
 7 your expert opinions in this case?  
 8 A. Well, to very little extent, because,  
 9 basically, my expert opinions are not regarding  
 10 etiology, and most of the depositions were  
 11 regarding etiology. So I really didn't have to  
 12 pay much attention to that. I did get a little  
 13 material out of the textbooks regarding what I  
 14 think I'm supposed to be testifying on, but most  
 15 of it is from my personal experience.  
 16 Q. Would you agree with the statement that  
 17 the biological mechanisms involved in lung  
 18 carcinogenesis are unknown?  
 19 A. The biological?  
 20 Q. The biological mechanisms.  
 21 A. I don't think they're completely known.  
 22 I think there's a lot known about them. They're  
 23 certainly not totally known. No.  
 24 Q. So that, to the best of your knowledge,  
 25 more research would be required to arrive at the  
 26 mechanism of lung cancer causation.  
 27 A. That's a non-expert opinion of mine.  
 28 Q. Let's talk about the treatment of lung  
 29 cancer. You've indicated that your workup of a

1 patient, which includes medical history, pathology  
 2 consults, radiology work, all these sources of  
 3 information really are geared to defining for you,  
 4 as the clinician, what the treatment should be in  
 5 an individual patient; is that correct?  
 6 A. That's correct.  
 7 Q. You have also indicated that you only  
 8 really differentiate in treatment between two  
 9 major segments of lung cancer diagnosis, one being  
 10 non-small cell lung cancer and the other being the  
 11 small cell lung cancer; is that correct?  
 12 A. If you're talking about bronchoepithelial  
 13 carcinomas, that's correct.  
 14 Q. With respect to small cell lung cancer,  
 15 what is the expected mode of treatment?  
 16 A. Well, the primary mode of treatment for  
 17 small cell lung cancer is usually -- basically,  
 18 chemotherapy, with some indication for radiation  
 19 and occasionally some indication for surgery.  
 20 Q. With respect to small cell lung cancer,  
 21 has there been a significant change in the  
 22 attitude towards surgical intervention as a means  
 23 of treatment?  
 24 A. Well, I think there's a swinging  
 25 pendulum. Years ago, before the nature of the  
 26 small cell carcinoma was recognized, surgery was  
 27 routinely done and was routinely very  
 28 non-beneficial, as most patients had metastatic  
 29 disease very early in the disease. So no matter

1 how small the tumor was removed, the patient  
 2 usually was not cured.  
 3 Then it was found that these patients  
 4 were very sensitive to chemotherapy and  
 5 radiation. These became the primary mode of  
 6 treatment.  
 7 Today, there is a return to looking at  
 8 the possibility of resecting some of these  
 9 patients, either early or late in the disease, if  
 10 they have limited disease, to try to improve their  
 11 chance of getting rid of the primary area there  
 12 and trying to treat the possible spread with  
 13 chemotherapy.  
 14 Q. What proportion of small cell lung cancer  
 15 patients have surgical intervention for a mode of  
 16 treatment?  
 17 A. For treatment?  
 18 Q. Yes.  
 19 A. Very few.  
 20 Q. Can you estimate a percentage?  
 21 A. I would guess 5 percent or less.  
 22 Q. What percentage of small cell lung cancer  
 23 patients would be treated with chemotherapy?  
 24 A. Almost all.  
 25 Q. And that is because small cell cancer of  
 26 the lung, in general, is very responsive to  
 27 chemotherapy?  
 28 A. It's very sensitive to chemotherapy  
 29 drugs. For palliation, usually. It's not usually

1 a cure. It's usually a control.

2 Q. What proportion of lung cancer patients  
3 are treated with radiation therapy?

4 A. It would be difficult to say. I would  
5 guess somewhere in the neighborhood of 30 to 40  
6 percent, maybe.

7 MR. KEMNA: Let's go off the record for  
8 just a moment.

9 (Lunch recess.)

10 MR. KEMNA:

11 Q. Doctor, I'm going to backtrack just a bit  
12 to a subject we discussed regarding the incidence  
13 of lung cancer in Mississippi that seems to be  
14 associated with the Delta region. Your  
15 familiarity with that issue, does that include any  
16 information that you may have come across  
17 regarding exposure to pesticides that arguably  
18 account for an increased incidence of lung cancer?

19 A. Now, there's been some indication or some  
20 suggestion that pesticides might play a role in  
21 causing certain types of cancer. I don't know if  
22 it's specifically lung cancer or not, but there  
23 has been an emphasis of some physicians in the  
24 Delta asking the Government to look into that to  
25 see what the possibilities are. I don't know if  
26 anything has been proven or how far along it is.  
27 It's a proposition.

28 Q. More specifically, are you familiar with  
29 arsenicals or arsenic-based pesticides as being a

1 possible factor of the increased incidence of lung  
2 cancer --

3 A. I don't know --

4 Q. -- in Mississippi?

5 A. Excuse me. I don't know specifically  
6 about pesticides. I know arsenic is mentioned as  
7 being one of the possible etiologic agents of lung  
8 cancer.

9 Q. To your knowledge, has that been  
10 mentioned specifically with relation to the  
11 incidence of lung cancer in Mississippi?

12 A. Not in anything I've read.

13 Q. Doctor, before we broke for lunch, we  
14 were discussing the types of treatment relating to  
15 lung cancer, specifically small cell carcinoma of  
16 the lung. Chemotherapy was mentioned by you as  
17 one of the modes of treatment that was common to  
18 the treatment of small cell cancer of the lung.  
19 What type of chemotherapeutic agents do you use to  
20 treat small cell cancer of the lungs?

21 A. Specific names of drugs you're talking  
22 about?

23 Q. Yes.

24 A. Well, there are any number of effective  
25 regimens for small cell lung cancer. That's one  
26 of the beauties of small cell lung cancer, so  
27 responsive to so many things.

28 Standard treatment recently has been  
29 probably a combination of platinum, cis-platinum

1 and VP16. Others have used a combination of  
2 carboplatin and Taxol being effective, and an  
3 older regimen called "CAV" or Cytosin Adriamycin  
4 Vincristine was an effective treatment. There was  
5 a five-drug treatment before that out of  
6 University of Washington, oh, years ago that  
7 claimed a 90 percent response rate in this  
8 disease. In my hands, it never got that degree a  
9 response rate, but it never really gained favor  
10 across the country as these other treatments came  
11 along.

12 Q. In your description of the  
13 chemotherapeutic agents that have been used, you  
14 have indicated that there is some change in  
15 emphasis on certain drugs over time. Do you  
16 continue to see shifting in the attitudes of  
17 clinicians toward using certain chemotherapeutic  
18 agents in treating small cell cancer of the lung?

19 A. Yes.

20 Q. Is it fair to say that it has been  
21 consistent over the years that change occurs with  
22 respect to the choices made by clinicians in  
23 treating small cell cancer of the lung?

24 A. Yes.

25 Q. With regard to costs that may be  
26 associated with applying chemotherapeutic agents,  
27 because of the differences in chemotherapeutic  
28 agents that have been used over the years, would  
29 you expect that there was a significant shift in

1 the cost of treatment due to those changes?

2 A. Quite probably. Newer agents usually  
3 cost more.

4 Q. So that the costs that may be associated  
5 with treating small cell cancer of the lung in,  
6 for instance, the 1980s, say mid 1980s, would not  
7 be representative of the costs associated with  
8 chemotherapeutic agents in the treatment of lung  
9 cancer today.

10 A. Probably be a difference. I couldn't  
11 give you a dollar difference in it, but certainly,  
12 it's reasonable to think there might be some -- a  
13 little more -- somewhat more expensive now than  
14 then, even if you forget about inflation. Just on  
15 1980 dollars.

16 Q. Has there been a difference in emphasis  
17 on radiation therapy for the treatment of small  
18 cell cancer of the lung over the years?

19 A. I don't know if there's a lot of  
20 difference in the emphasis of radiation. Once it  
21 was found that chemotherapy was so effective, it  
22 became standard treatment years ago, and radiation  
23 was used for specific means, such as in limited  
24 stage disease, if you had bulky tumor, try to  
25 consolidate a remission with the radiation to the  
26 small area of the tumor. And then it's been quite  
27 common to use radiation therapy to empirically  
28 treat the brain in small cell lung cancer. Since  
29 these tumors commonly spread to the brain, just go

1 ahead and treat them in case there are  
2 micrometastasis there, and when you do that,  
3 you're not as likely to have an obvious metastatic  
4 disease become symptomatic later. Although it can  
5 happen, the incidence appears to be less. But  
6 then there are studies now looking at the  
7 possibility of not treating the brain. Just  
8 waiting. If you get a met, then treat at that  
9 time. So there are changes all along in  
10 chemotherapy and radiation, depending on as newer  
11 studies come in, come out, what looks like the  
12 best treatment for the individual patient for  
13 either or both of these modalities.

14 Q. What is the median survival time for a  
15 patient diagnosed with small cell cancer of the  
16 lung?

17 A. I don't know the median survival time. I  
18 think it depends on -- on whether the patient  
19 responds to treatment or doesn't respond to  
20 treatment. Of course, you could get figures to  
21 give you all of them. What the median is, I just  
22 don't remember what that is.

23 Patients who are -- did not respond to  
24 treatment, you're talking about a median survival  
25 time measured within a few months, probably in the  
26 neighborhood of, oh, anywhere from five to seven  
27 months, six or seven, maybe. Responders, we're  
28 seeing more and more living in the one- to  
29 two-year range. So we're seeing a -- I think, a

1 significant improvement in certainly quality of  
2 life and probably longevity as well.

3 And there are few patients actually cured  
4 of small cell lung cancer with the combination of  
5 chemotherapy and radiation. Shouldn't forget  
6 that. Percentage may be low, but they're there,  
7 and if it's you, it's 100 percent.

8 Q. Is that extent of survival from small  
9 cell cancer of the lung significantly greater  
10 today compared to years past?

11 A. Oh, yes, I think so. Figures are  
12 available. I just don't know them.

13 Q. Now, with regard to patients that are  
14 treated for small cell cancer of the lung, the  
15 treatment administered to those patients is  
16 primarily on an outpatient basis?

17 A. Could be inpatient or outpatient,  
18 depending on which regimen is used and where in  
19 the country you are and how it's done.

20 In my practice in Hattiesburg,  
21 Mississippi, the regimen I use, we could treat  
22 them either way, and usually, I will start them  
23 off with the hospital treatment, then try to bring  
24 them into the office.

25 If I use, say, the carboplatin, VP16, or  
26 carboplatin, Taxol, those -- those are -- both can  
27 be outpatient treatments. If you use  
28 cis-platinum -- some places might well give it as  
29 an outpatient. I give it as an inpatient,

1 primarily because it requires a lot of hydration.  
2 You have to give the patient, oh, maybe eight  
3 hours of hydration in addition to the  
4 chemotherapy. So you're talking about a prolonged  
5 day of treatment, and in our facility, we don't  
6 stay open that long to accomplish that and so  
7 pretty well have to put them in the hospital. And  
8 the treatment is a three-day with the VP16, say,  
9 and one day with the platinum. So I can put the  
10 patient in one day, give them the long treatment  
11 of platinum the second day and the carboplatin,  
12 and then the third day give them the carboplatin  
13 and send them home. So it's a two-night stay.

14 If I bring them in the office, not using  
15 the cis-platinum, I can use the carboplatin  
16 instead. I can make a three-day office treatment  
17 out of it.

18 Q. The extent to which hospitalization is  
19 utilized present day for the treatment of small  
20 cell lung cancer, is that more or less  
21 hospitalization than has been used in the past  
22 with regard to the treatment of small cell cancer  
23 of the lung?

24 A. Again, that's a big fluctuation, because  
25 in years past, we probably didn't put them in. We  
26 didn't use the platinum, didn't have to have a  
27 long hydration. So we could treat them in the  
28 office. When platinum came along, then we started  
29 hospitalizing them for it. And now we're getting

1 into drugs that don't have to have the hydration,  
2 so we're back to an outpatient. So it depends at  
3 what time and the scale you're looking at.

4 Q. So it's very important for you in making  
5 any kind of attempt to assign cost of treatment of  
6 small cell cancer of the lung to know what  
7 particular period of time you're talking about?

8 A. That's right, what time and what -- the  
9 way the treatments are going.

10 Q. Now, for non-small cell cancer of the  
11 lung, how does your approach to treatment differ  
12 from small cell cancer of the lung?

13 A. Well, the basic approach is different.  
14 And, basically, non-small cell cancer is a  
15 surgical disease, if it's localized enough you can  
16 do surgery, if it's stage I or II lung cancer and  
17 surgery is appropriate, if you can remove it. If  
18 it's found at time of surgery to have some degree  
19 of extension, you might add radiation or you might  
20 add radiation and chemotherapy to it. If the  
21 patient has up into stage III, and it looks  
22 like -- or certainly stage IIIB, a combination of  
23 chemotherapy and radiation, perhaps, could be  
24 given, shrink the tumor mass and possibly operate  
25 on the patient, or so the other way around and do  
26 the surgery and follow with chemotherapy and  
27 radiation, and it seems to be a more effective  
28 treatment than surgery by itself.

29 If the patient already has metastatic

1 disease, then surgery is out of the question:  
2 localized radiation is out as the primary mode,  
3 and then you come to the chemotherapy itself as  
4 being the basic treatment and using radiation for  
5 spots of disease which did not respond well to the  
6 chemotherapy. So that would be the basic outline  
7 of how you handle a non-small cell.

8 Q. Does the mode of treatment differ within  
9 the category of non-small cell cancer of the lung  
10 depending upon the particular cell type of cancer  
11 that you're dealing with?

12 A. No.

13 Q. So that, for instance, with respect to an  
14 adenocarcinoma of the lung, you would not make any  
15 different decision with regard to the application  
16 of either chemotherapy, radiation or surgical  
17 intervention just based upon the fact that it's an  
18 adenocarcinoma?

19 A. All non-small cell bronchogenic  
20 carcinomas are treated the same way, basically.

21 Q. Is it possible for you to approximate  
22 what percentage of non-small cell cancer of the  
23 lung patients would receive chemotherapy as part  
24 of the treatment regimen?

25 A. The total number --

26 Q. Yes.

27 A. -- of non-small cell?

28 Q. Yes.

29 A. I would have a hard time doing that.

1 Basically, if the patient has limited disease, has  
2 surgery, I never see them. So I don't know how  
3 many that are there.

4 Once they're patients I see, most of them  
5 are going to receive it. There would be a small  
6 percentage who don't. I would guess once I see a  
7 patient with a non-small cell lung cancer,  
8 probably -- probably 75 percent will receive  
9 chemotherapy.

10 Q. With respect to the use of radiation  
11 therapy, can you answer the same question  
12 regarding non-small cell cancer of the lung?

13 A. Probably -- probably more are getting --  
14 well, it might be about the same, really, because  
15 there are more getting radiation therapy in the  
16 earlier stages that are not getting chemotherapy,  
17 but then at later stages, they're totally getting  
18 chemotherapy and not getting the radiation,  
19 necessarily. So they balance off. It would be  
20 about the same percentage. I wouldn't think a big  
21 difference in percentage. It might be a little  
22 larger percentage getting radiation, but -- of the  
23 total number of patients.

24 Q. What percentage of non-small cell lung  
25 cancer patients would receive surgery as a mode of  
26 intervention?

27 A. Figures are available, but I don't  
28 remember what they are. It's a -- I would guess  
29 somewhere around 25 percent, maybe.

1 Q. Is it fair to say, Doctor, that it would  
2 be very difficult to generalize with respect to  
3 the treatment of lung cancer regarding the costs  
4 that would be associated with treating lung cancer  
5 from individual to individual?

6 A. Well, there's so many different ways of  
7 approaching the patient. There may be different  
8 costs from individual to individual, but I think  
9 that's -- the information is obtainable. If you  
10 look for it, you can get that information.

11 Q. Are you familiar with that kind of cost  
12 information?

13 A. I'm familiar with the cost information on  
14 patients I treat with the chemotherapy, but I'm  
15 not familiar with the cost of surgery or the cost  
16 of radiation.

17 Q. The reason you're not familiar with the  
18 cost of surgery or the cost of radiation is  
19 because that is treatment applied by practitioners  
20 other than you.

21 A. That's right.

22 Q. You have not attempted to conduct any  
23 type of study or otherwise review information with  
24 respect to costs associated with the treatment of  
25 lung cancer in the state of Mississippi.

26 A. Overall of the state?

27 Q. Yes.

28 A. No. I have done no survey.

29 Q. This, also, is maybe a subpart of that

1 question. You have not made a study of, nor  
2 attempted to review information regarding the  
3 costs associated with the treatment of lung cancer  
4 patients under the Medicaid system for the state  
5 of Mississippi; is that correct?

6 A. I know what they pay for patients I  
7 treat.

8 Q. Yes. But in terms of the, for instance,  
9 aggregate costs that may apply to the state of  
10 Mississippi for the treatment of lung cancer under  
11 the Medicaid system, you have not reviewed that  
12 type of information.

13 A. No, I have not reviewed it. I think it's  
14 easily obtainable, though.

15 Q. Opinions with respect to the costs of the  
16 treatment for lung cancer under the Medicaid  
17 system for the state of Mississippi would not be  
18 within your area of expertise; is that correct?

19 A. I don't have a figure, but I'm expert  
20 enough to know how to get the information.

21 Q. But you do not have an expert opinion --

22 A. I do not have it today. No. Again, I  
23 know what my patients cost, but I do not know what  
24 the aggregate costs. I don't know how many  
25 patients there are, hospitalized, receiving  
26 chemotherapy, receiving chemotherapy in the  
27 office, but Medicaid has those numbers. It should  
28 be easy to obtain.

29 Q. And you have not been asked to offer an

1 opinion regarding the impact of the cost of  
2 treating lung cancer on the Medicaid system for  
3 the state of Mississippi.

4 A. No.

5 Q. Along those same lines, you have not been  
6 asked to offer an opinion on the fraction of costs  
7 associated with the treatment of lung cancer under  
8 the Medicaid system for the state of Mississippi.

9 A. No.

10 Q. And you do not expect to offer an opinion  
11 on that topic; is that correct?

12 A. I would think they would have somebody  
13 who had more knowledge than myself to do it.

14 Q. Doctor, if someone came into your office  
15 as a new patient and the only statement they made  
16 to you was that they felt that they were in a poor  
17 state of health, they would regard their health  
18 status as poor, could you draw any conclusions  
19 about the cause of their condition?

20 A. Not without more information than that.

21 Q. If in addition to that information of  
22 them giving you their health status, in our  
23 example, poor health status, and if they reported  
24 themselves to be a cigarette smoker, would you be  
25 able to make any conclusions about the cause of  
26 their perceived poor state of health?

27 A. Not -- not totally, no. You would still  
28 need more information.

29 Q. What is the nature of the additional

1 Information that you would need to draw some kind  
2 of conclusions?

3 A. I would like to know what kind of  
4 symptoms they're having. Just feeling bad is  
5 really nonspecific, which could be anything from  
6 nothing wrong to seriously ill. Usually, patients  
7 will have more symptoms than that, and when  
8 pressed, come up with some. And so once you take  
9 the symptoms, then that points you in the  
10 direction in which you need to look to try to find  
11 the origin of the problem or what's going on.

12 Q. Once you know about the symptoms and it  
13 points you in a direction to look, you still need  
14 more information, don't you, before you can make  
15 any kind of conclusion?

16 A. That's -- that's -- the additional thing  
17 is knowing where to look, but you still have to  
18 look, and looking is whatever physical examination  
19 or testing is required to make a diagnosis.

20 Q. What is entailed within the physical  
21 examination that you would conduct on such a  
22 patient?

23 A. Well, you complete a -- what I would term  
24 a complete examination. It's not a totally  
25 complete one because there are obviously some  
26 aspects that are glossed over, but, generally  
27 speaking, examine the skin, the head, eyes, ears,  
28 nose, throat, check the chest, listen to the  
29 lungs, listen to the heart, examine the lymph

1 nodes, feel the abdomen, spleen enlargement, any  
2 masses, genitalia exam and rectal exam,  
3 extremities and a brief neurological examination.

4 Q. Let's assume for the sake of this  
5 discussion that in the course of this physical  
6 examination, you make a finding that is considered  
7 consistent with the possibility that this  
8 individual has carcinoma of the lung. What  
9 additional measures would you take to determine  
10 the exact disease state?

11 A. What did I find to make that  
12 determination?

13 Q. The chest x-ray revealed a shadow in the  
14 lung consistent with the presence of a mass.

15 A. Okay. If the x-ray showed something  
16 suspicious, then probably would do a CAT scan to  
17 get a better picture of it, see what it looks  
18 like, whether any lymph nodes are involved or  
19 what's going on with it.

20 Following that, would proceed with what  
21 we talked about to begin with, make a biopsy in  
22 some way, whether it be bronchoscopy or needle  
23 through the chest or whatever, and then do the  
24 staging studies, as I mentioned initially. Once  
25 we have a diagnosis, check the abdomen, and if  
26 necessary, the brain, bone, see about any other  
27 possibility of a spread, or if it's a metastatic  
28 lesion, where a primary -- another primary might  
29 be -- or where the primary might be.

1 Q. Now, after you've had the opportunity to  
2 review the x-ray revealing something in the lung,  
3 you've had the CAT scan and you've had the  
4 procedure necessary to take a tissue specimen,  
5 what is the defining point for when you can arrive  
6 at a diagnosis?

7 A. When you have the tissue out that says  
8 this is cancer.

9 Q. In the instance of a patient where you  
10 are unsuccessful in actually obtaining tissue  
11 reflecting a malignancy, is it possible for you to  
12 diagnose that patient nonetheless with lung  
13 cancer?

14 A. I don't think you can ever be certain,  
15 100 percent certain of a cancer in the absence of  
16 a tissue diagnosis. Even though you may be  
17 99 percent sure, there's always that 1 percent.  
18 And I've seen it, patients who look like they have  
19 cancer, and then they don't that come to surgery.  
20 There's many a person who's had exploratory  
21 surgery and have the nodules taken out and they  
22 turn out to be an inflammatory nodule or  
23 whatever. So I don't think you can ever be sure  
24 without tissue.

25 Q. Are there any laboratory studies that you  
26 might conduct to better define the exact  
27 diagnosis?

28 A. Of a lung cancer?

29 Q. Yes.



1 A. There are not any specific laboratory  
2 studies. There's some markers that might be of  
3 some value, but they're not specific, and they're  
4 not -- they're non-approved by FDA, for instance.  
5 for use in a situation like this, nor are there  
6 any that are really generally recognized by the  
7 medical community as being diagnostic enough that  
8 you would not need tissue.

9 Q. Doctor, do survival rates differ among  
10 the various categories of cell type lung cancer in  
11 the main category of non-small cell cancer of the  
12 lung?

13 A. There's some differences, but I don't  
14 remember exactly which is which.

15 Q. By comparison to the survival rates for  
16 small cell cancer of the lung, do patients with  
17 non-small cell cancer of the lung survive longer  
18 or shorter periods of time?

19 A. Well, you've got a differing group.  
20 You've got a group of non-small cell who are --  
21 have curable disease, cured by surgery. Patients  
22 with minimal stage disease, you know, 40, 50,  
23 60 percent of them possibly can be cured with  
24 surgery. So you got that big group.

25 Now, once they've got metastatic disease,  
26 these are -- these are -- patients do not live  
27 very long. So they have a shorter survival.

28 The small cell carcinoma group, you're  
29 not going to cure a whole lot. You'll cure some,

1 but not a whole lot, but then you can prolong  
2 their life with chemotherapy and radiation, get  
3 remissions, and go several years sometimes before  
4 they eventually die of disease. So you've got to  
5 balance those off, and I don't really remember  
6 which one actually does better than the other one.

7 Q. Remembering that you have indicated  
8 you're not an expert on the aggregate costs or  
9 overall costs that might apply to the state of  
10 Mississippi, but just within your personal  
11 clinical experience, is it possible for you to  
12 compare the relative cost of treating a patient  
13 with non-small cell cancer of the lung versus  
14 someone with small cell cancer of the lung?

15 A. I could not give you the figures for  
16 that. I think what you would have -- you have to  
17 take into consideration on the non-small cell the  
18 stage of disease and the type of treatment,  
19 because if you're talking about surgery followed  
20 by chemotherapy and radiation, for instance,  
21 you've got one set of figures. If you're talking  
22 about the small cell cancer with limited disease,  
23 you're talking about just maybe six months of  
24 chemotherapy and a little radiation, and so the  
25 treatment for that would be much less because you  
26 don't have the surgical expense, basically, maybe,  
27 the same chemotherapy and radiation expense, but  
28 you got the surgery in addition to the non- -- to  
29 the non-small cell. If you're talking about an

1 advanced non-small cell, then the chemotherapy  
2 expense is going to be similar for the two  
3 conditions, and radiation would be the same if  
4 they're -- if you're treating comparably. If  
5 you're treating a bulky tumor, you're going to get  
6 five to six weeks of radiation no matter which one  
7 you treat, and so it would be about the same  
8 thing. If you're just using radiation for a  
9 palliative treatment, for instance, for a bony  
10 metastasis, it would be a different figure as far  
11 as cost for radiation.

12 So I think it's very complicated to -- to  
13 exact -- for me to tell you exactly now which one  
14 is more or whatever. I need to know more than  
15 that, and I need to know actually what the  
16 radiation costs, which is easy to get. Just ask  
17 the radiation therapist, how much for treatment,  
18 and how many treatments you get, you multiply it  
19 out.

20 And, certainly, surgical costs are  
21 known. The hospital could tell you. The hospital  
22 knows exactly what Medicaid pays for surgery.

23 I know what they pay for hospitalized  
24 chemotherapy, and I know what they pay in their  
25 office. I can give you those figures, but I could  
26 not give the others.

27 Q. There's an item on your expert report,  
28 Doctor, that reads: "Patient communications  
29 concerning the diagnosis, treatment and

1 prevention, and the pain and suffering associated  
2 with the disease." What's your understanding of  
3 the testimony you expect to provide under that  
4 category?

5 A. I would think the course of the illness.  
6 I would dare say I wouldn't -- I would have very  
7 little to say about prevention. It would be more  
8 on the -- just the course that the patient would  
9 follow with the cancer.

10 Q. Do you advise your patients who are  
11 smokers not to smoke?

12 A. It depends on -- lung cancer patients  
13 you're talking about?

14 Q. Yeah. Let's talk about lung cancer  
15 patients.

16 A. If the patient has lung cancer and it is  
17 incurable, with little chance for a good  
18 remission, I see no point in putting them through  
19 the problems of quitting smoking, unless they're  
20 having symptoms referable to smoking. If they've  
21 got significant chronic lung disease, then  
22 stopping smoking might give them some relief from  
23 that, allow them to breathe better and have a  
24 little better quality of life. If it's just to  
25 stop smoking, to quit smoking to keep from getting  
26 cancer, there's no point in it. They're dying of  
27 cancer.

28 And, of course, as most people realize,  
29 for someone who has been a long-term smoker, it is

1 sometimes quite difficult to quit, and they go  
2 through a lot of so-called withdrawal, perhaps,  
3 symptoms or whatever, having an uncomfortable time  
4 for some period.

5 So, no, I don't routinely ask these  
6 people to quit, but I have seen patients -- I've  
7 seen a number of patients who, for instance, had  
8 lung cancer removed, continued to smoke and then  
9 six, seven years later have a brand new lung  
10 cancer, quite possibly they could have prevented,  
11 you know, had they quit. That kind of patient, I  
12 would urge to quit. Someone dying of lung cancer,  
13 not necessarily.

14 Q. In the instance that you just described,  
15 would you regard that as a recurrence of the  
16 original cancer?

17 A. No. I think it would be -- well, it  
18 could be a recurrence, if it's a metastatic tumor,  
19 and sometimes they're hard to tell, the  
20 metastatics -- it's hard to tell a metastatic from  
21 a primary, but sometimes you can, and five years  
22 later, you can get a metastatic; six, seven years  
23 later, you can get a metastatic. I've seen it  
24 happen, and I've had a few patients that go as  
25 long as seven years and have a recurrence, but  
26 that's unusual when it happens. But, generally  
27 speaking, a tumor that shows up six or seven years  
28 after one's been removed just may well be a brand  
29 new one.

1 Q. Again, recognizing that you've already  
2 taken the position that you are not an expert on  
3 Mississippi Medicaid costs generally, in your  
4 experience with Medicaid patients who do smoke,  
5 would you consider, in general, that all of their  
6 medical-related expenses are due to their smoking?

7 A. Restate the question.

8 MR. KEMNA: Can you read that back?

9 (Question read.)

10 THE WITNESS:

11 A. There's no way you could say that. They  
12 could break a leg or get pneumonia or whatever.  
13 It can't be related to smoking, necessarily.

14 MR. KEMNA:

15 Q. So that in each case with respect to an  
16 individual where a medical expense would be  
17 incurred, you would have to know the nature of  
18 that medical expense in terms of what condition it  
19 was intended to treat as to whether or not you  
20 believed that it would be a smoking-related  
21 expense; is that correct?

22 A. That's correct.

23 Q. Doctor, do you believe that medical  
24 science has determined all the potential causes of  
25 lung cancer?

26 A. I don't know. I think, quite possibly,  
27 it hasn't. I don't think we know totally. It may  
28 be we have found out all the causes. I don't  
29 know.

1 Q. Do you have any explanation for why some  
2 people who smoke get lung cancer and that a  
3 substantial number of people who smoke do not get  
4 lung cancer?

5 A. No.

6 Q. Is it fair to say that lung cancer is  
7 really a category of a number of diseases rather  
8 than a single disease entity?

9 A. I don't know that either. There are  
10 probably a number of different causes. There's  
11 certainly a number of different types, and I guess  
12 it would depend on how you define the question as  
13 to what you mean by that. The only answer I can  
14 give, I think, would be that there are different  
15 causes and different types, and in that sense,  
16 they may be different, may be a group of cancers.  
17 Basically, at the present time, they're treated  
18 just as two different groups of cancers, the small  
19 and the non-small, all treated alike within those  
20 two groups.

21 Q. Do you know why some individuals develop  
22 small cell lung cancer and others develop  
23 non-small cell lung cancer?

24 A. No.

25 Q. Has there been any explanation provided  
26 through any source of information that you have,  
27 either medical or scientific, as to why that  
28 occurs?

29 A. I haven't read anything.

1 Q. If nobody smoked in the United States,  
2 would you still expect some incidence of lung  
3 cancer?

4 A. Yes.

5 Q. And is the reason why you would expect  
6 some incidence of lung cancer that it is a  
7 multifactorial disease and that there may be a  
8 number of factors responsible for the incidence of  
9 lung cancer?

10 A. There may be a number of agents related  
11 to cause, and there may be a number of -- of  
12 chromosomal abnormalities or genetic changes  
13 within the lung tissue themselves that cause the  
14 disease. So, in that sense, yes, it could be.

15 Q. Doctor, do you believe that cigarette  
16 smoking should be banned in this country?

17 A. I would like to see it banned, but I  
18 don't know whether I think it should be.

19 Q. And what rationale would you have for  
20 liking to see it banned, but not being of the  
21 belief that it should be banned?

22 A. Well, several, and several of them are  
23 personal. I flew on an airplane to the Dominican  
24 Republic, and there were no smoking restrictions,  
25 and by the time I got there, I was so choked up I  
26 could not enjoy myself for two days until I got a  
27 cortisone shot to get relief.

28 Same thing on a recent trip to Brazil. I  
29 was stuck in the smoking section, and I am still

1 coughing from that experience.  
 2 If I go to a restaurant and people around  
 3 me are smoking, I'm not necessarily sick, but it's  
 4 certainly not very appetizing. These are reasons.  
 5 Q. And those are reasons for why you would  
 6 like to see smoking --  
 7 A. Why I would like there to be no smoking.  
 8 Q. Like there to be no smoking.  
 9 A. That's right.  
 10 Q. Now, the second part of that was taking  
 11 the position that you don't know that you believe  
 12 that it should be banned.  
 13 A. Well, I think people have their rights to  
 14 smoke or do whatever, as long as it doesn't  
 15 interfere with my rights, and at the current time,  
 16 it's interfering with my rights, when it gets --  
 17 their smoke gets into my lungs and I have problems  
 18 from it, and I take it personally. Now, if we  
 19 could take all the smokers and put them in a box  
 20 somewhere and they could do their own thing,  
 21 that's all right.  
 22 Q. Doctor, are you familiar with data that  
 23 compares the diagnosis that would be contained  
 24 within medical records to the diagnosis that  
 25 results from an autopsy being performed on the  
 26 individual?  
 27 A. You mean -- do you have reference to a  
 28 clinical diagnosis versus a pathological or  
 29 anatomical diagnosis, an autopsy?

1 Q. Correct.  
 2 A. That's right.  
 3 Q. Are you familiar with the reported error  
 4 rates based upon pathological diagnosis compared  
 5 to clinical diagnosis being as high as 50 percent  
 6 in making a comparison between autopsy findings  
 7 and clinical diagnostic findings?  
 8 A. I'm not aware of any figure, but I know  
 9 the error rate would be significant.  
 10 Q. What accounts for that error rate, to the  
 11 best of your estimation?  
 12 A. Well, the autopsy gives -- you obtain all  
 13 of the information, and the clinician may not know  
 14 some of this. There may be a lung cancer, for  
 15 instance, there that you don't know about. The  
 16 available testing is incomplete. A patient -- a  
 17 good example of that is a patient with lymphoma  
 18 who I felt was in complete remission by virtue of  
 19 all the CAT scans being negative, no sign of tumor  
 20 anywhere, and she died, and her abdomen was filled  
 21 with lymphoma. The CAT scan just didn't show it.  
 22 And so, at the time of death, I didn't know what  
 23 she had died of. At the time of the autopsy,  
 24 there was lymphoma everywhere.  
 25 Q. Doctor, are you familiar with data  
 26 supportive of an inverse association between  
 27 cigarette smoking and ulcerative colitis?  
 28 A. No.  
 29 Q. Are you familiar with data showing an

1 inverse relationship between Parkinson's disease  
 2 and cigarette smoking?  
 3 A. No.  
 4 Q. Are you familiar with data supporting an  
 5 inverse association between cigarette smoking and  
 6 Alzheimer's disease?  
 7 A. No.  
 8 MR. KEMNA: Doctor, let's break for just  
 9 a few moments.  
 10 (Off the record.)  
 11 MR. KEMNA:  
 12 Q. Doctor, I want to cover just a couple of  
 13 other items here. I have in my hands an item I'd  
 14 like to have marked as Deposition Exhibit No. 3.  
 15 (Exhibit 3 was marked.)  
 16 MR. KEMNA:  
 17 Q. Doctor, Deposition Exhibit No. 3 is a  
 18 Fed Ex USA Airbill, showing that this was a  
 19 package sent from Susan Hoffman at the Ness Motley  
 20 firm in Charleston to you, Dr. David Owen, in  
 21 Hattiesburg. This is the Fed Ex receipt from the  
 22 top of the box that you provided to me at the  
 23 beginning of the deposition containing the  
 24 materials that were sent to you, and this is dated  
 25 October 28, 1996: is that correct?  
 26 A. I assume so.  
 27 Q. Now, that receipt relates to materials  
 28 you received in the box which included the  
 29 deposition transcripts that you reviewed in

1 advance of this deposition: is that correct?  
 2 A. All but Dr. Green's.  
 3 Q. And with respect to Dr. Green's  
 4 deposition, you received that by a separate Fed Ex  
 5 package consistent with the statement made in this  
 6 letter from Kathryn Wilkinson, paralegal at the  
 7 Scruggs, Millette, Lawson firm: is that correct?  
 8 A. That's correct.  
 9 MR. KEMNA: Let's have this letter marked  
 10 as Deposition Exhibit No. 4.  
 11 (Exhibit 4 was marked.)  
 12 MR. KEMNA:  
 13 Q. Just for clarification, Deposition  
 14 Exhibit No. 4 is the letter from Kathryn Wilkinson  
 15 to Dr. David Owen dated November 5, 1996, and it  
 16 is a letter, according to the text of the  
 17 document, sent in advance of Dr. Owen's receipt of  
 18 the deposition of Dr. Mark Green conducted in this  
 19 case.  
 20 A. It was included in the package.  
 21 Q. In the text of this letter, Doctor, the  
 22 paragraph beginning with the word "Tomorrow," it  
 23 reads: "Tomorrow, you should expect to receive  
 24 from Ness Motley, via Federal Express, a copy of  
 25 the transcript of the deposition of Dr. Mark  
 26 Green." Do you see that paragraph?  
 27 A. Uh-huh. Now, if I remember right, this  
 28 came in the box with the deposition. It was not a  
 29 separate letter. See, it's not folded as a

1 Letter.

2 Q. And as you indicated earlier, even though  
3 there is a line at the very top of the page of  
4 this letter indicating a fax transmission, the  
5 phone number indicated for the fax transmission is  
6 not your phone number.

7 A. It's not. It's not a Hattiesburg  
8 exchange.

9 Q. Oh. Doctor, that's the fax number from  
10 the sender.

11 A. I didn't know whether it was or not, but  
12 it --

13 Q. Yeah, because it's the same number that's  
14 listed on their letterhead.

15 A. It wasn't faxed here, though.

16 Q. Doctor, what are your fees for  
17 participation in litigation matters?

18 A. My fees are set by the Hattiesburg  
19 Clinic. They're \$500 an hour.

20 Q. Is \$500 an hour the hourly fee that you  
21 expect to charge for this deposition?

22 A. That's right.

23 MR. KEMNA: At this point, I'm just going  
24 to make a statement for the record. According  
25 to the case management order in this case,  
26 defense counsel were entitled to an expert  
27 statement regarding the experts being listed  
28 by plaintiff in this matter pursuant to  
29 Rule 26(b)(4), subparagraph A(i). That

1 requirement of Rule 26 of the Mississippi  
2 Rules of Civil Procedure reads: A party may  
3 through interrogatories require any other  
4 party to identify each person whom the other  
5 party expects to call as an expert witness at  
6 trial, to state the subject matter on which  
7 the expert is expected to testify and to state  
8 the substance of the facts and opinions to  
9 which the expert is expected to testify and  
10 summary of the grounds for each opinion.

11 The Rule 26 Expert Statement, as this  
12 document is entitled, Deposition Exhibit No. 2  
13 for Dr. David Owen, is not in compliance with  
14 the Rule 26 requirements for disclosure of  
15 information on experts. Of the information  
16 presented in this expert report, there is  
17 little more information included here than  
18 what we would otherwise be aware of, knowing  
19 that Dr. David Owen is a practicing  
20 oncologist. Having not had any reasonable  
21 opportunity to anticipate the scope or the  
22 nature of testimony of Dr. David Owen, I would  
23 reserve the right at this point for additional  
24 discovery necessary to explore the actual  
25 opinions Dr. Owen is expected to present in  
26 testimony at the trial of this matter. That  
27 concludes the deposition.

28 (Deposition concluded at 3:00 p.m.)  
29

1 CERTIFICATE OF COURT REPORTER

2 I, KAREE H. MULHOLLAND, Certified  
3 Shorthand Reporter and Notary Public in and for  
4 the County of Madison, State of Mississippi,  
5 hereby certify that the foregoing pages, and  
6 including this page, contain a true and correct  
7 transcript of the testimony of the witness, as  
8 taken by me at the time and place heretofore  
9 stated, and later reduced to typewritten form by  
10 computer-aided transcription under my supervision  
11 to the best of my skill and ability.

12 I further certify that I placed the  
13 witness under oath to truthfully answer all  
14 questions in this matter under the authority  
15 vested in me by the State of Mississippi.

16 I further certify that I am not in the  
17 employ of, or related to, any counsel or party in  
18 this matter, and have no interest, monetary or  
19 otherwise, in the final outcome of the  
20 proceedings.

21 Witness my signature and seal this the  
22 \_\_\_\_\_ day of \_\_\_\_\_, 1996.

23  
24 KAREE H. MULHOLLAND, CSR #1255  
25 My Commission expires March 15, 1997  
26  
27  
28  
29

1 WITNESS SIGNATURE SHEET

2 I, \_\_\_\_\_, do solemnly  
3 swear that I have read the foregoing \_\_\_\_\_ pages  
4 and that the same is a true and correct transcript  
5 of the testimony given by me at the time and place  
6 hereinbefore set forth, with the following  
7 corrections:

8 PAGE: LINE: SHOULD READ: REASON FOR CHANGE:

9 \_\_\_\_\_  
10 \_\_\_\_\_  
11 \_\_\_\_\_  
12 \_\_\_\_\_  
13 \_\_\_\_\_

14 (WITNESS SIGNATURE)  
15

16 NOTARIZATION

17 I, \_\_\_\_\_, notary public  
18 for the State of \_\_\_\_\_,  
19 County, do hereby certify that \_\_\_\_\_  
20 personally appeared before me this \_\_\_\_\_ day of  
21 \_\_\_\_\_, 1996, at \_\_\_\_\_,  
22 My Commission Expires: \_\_\_\_\_  
23 \_\_\_\_\_

24 (NOTARY PUBLIC)  
25  
26  
27  
28  
29